

SPRAGUE ELECTRIC COMPANY

EASTERN LOCATIONS



Looking over the report of three Minuteman Missile guidance systems which each completed more than 1,000 hours of operating time without a failure are: E. N. Ljunggren, Vice President, Minuteman System Management, Autonetics Division of North American Aviation, Inc.; C. P. Ballard, Chief Engineer; and Lt. Col. Robert Savage, USAF Program Manager for Minuteman guidance in the Air Force Ballistic System Division.

## SUCCESSFUL MINUTEMAN MISSILE TESTS MARK MILESTONE IN DESIGN AND PRODUCTION

Another milestone in the design and production of inertial guidance systems was achieved by North American Aviation's Autonetics Division when three Minuteman Missile guidance systems each completed more than 1,000 hours operating time without failure.

Each of the three N10G systems completed its thousandth hour on test on the same day. All three have been shipped to Cape Canaveral where they will be integrated into complete Minuteman intercontinental ballistic missiles and test flown over the Atlantic Missile Range.

E. N. Ljunggren, Minuteman vice president for Autonetics, said the milestone has helped prove the original Minuteman electronic systems concept. This called for a pioneering effort in the high reliability field for electronic components such as transistors, resistors, diodes, capacitors and transformers.

He noted each N10 guidance system contains more than 18,000 such components. Normal equipment, not using Minuteman's High Reliability parts, would usually have between 50 and 200 hours of operating life.

"All research and development type N10 systems are scheduled for between 500 and 1,000 hours of test before they are shipped to Cape Canaveral," Ljunggren said.

Recalling the start of the Minuteman

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### The LOG's 'New Look'

All things are subject to change—and so it is with the LOG masthead.

With the recent adoption of "Sprague—The Mark of Reliability" as our Company symbol the masthead was redesigned to incorporate the new graphic arts image. At the same time we changed to a five column design which we feel is more modern and more fitting to a newspaper format.

Thus we present the LOG's 'new look'.

## Sprague Components In Space-Orbiting Telstar Satellite

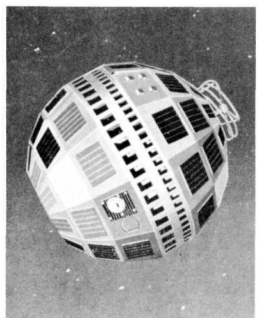
Electronic components made by Sprague Electric are orbiting through space in the Telstar satellite. Owned by the Bell Telephone Laboratories, whose engineers designed and built it, Telstar has opened a whole new era of long distance communication.

Congratulating the Company for its "significant contribution of capacitors and resistors for the satellite as well as its accurate testing and fine delivery performance", W. P. H. Stevens, Bell Purchasing Agent, told Ernest L. Ward, President, that "outstanding teamwork" on the part of Sprague Electric personnel helped to make the achievement possible.

"Sprague Electric has long worked closely with Bell Telephone Laboratories in designing reliable components for use in telephone, radio, and data transmission equipment", Mr. Ward said, "and the Company is proud to have had a significant part in the successful Telstar program."

Telstar is private industries initial

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Bell Telephone's Telstar, the world's first private enterprise communications satellite, is now relaying telephone calls and television around the world.

## Company's First Half Sales and Earnings Reach All Time High

Sprague Electric Company's first half sales and earnings reached an all-time record, breaking the mark set in 1961. Net sales of components and semi-conductors increased to \$42,463,100 from \$37,066,358 for the same period last year.

The net profit, after taxes, increased to \$3,265,122 from \$2,960,166 in the corresponding period of 1961. Net profit per share was \$2.21 on the 1,477,767 shares outstanding compared with \$2.06 on 1,436,968 shares at June 30, 1961.

Robert C. Sprague, Chairman of the Board, and Ernest L. Ward, President, noted that the new high in sales and net profit resulted from satisfactory levels of operations in virtually all product lines during the first half of 1962. They indicated that barring a sharp or sudden reversal they "would expect operations in the second half of 1962 to show continued improvement in comparison with last year."

Stockholders were told that, during the first half of 1962, the Company had attained the component development objectives of a contract with Autonetics, a Division of North American Aviation, Inc. for the Air Force's Minuteman program in which

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## Sprague-Franklin Changes To College Accredited Program

The Sprague-Franklin Technical program which Sprague Electric has sponsored in cooperation with the Franklin Institute of Boston for the past 5 years will become part of the credit program at North Adams State College beginning this September. This significant change, recently announced by Courtney W. Flanders, Manager of Corporate Training, is the result of extensive discussions between the College and the Company over the past year.

The change to a fully accredited program means that students will now receive credits toward a BS degree in Physics. The degree can be attained in a 7 year period, or in 5 years if studies are continued during the summer months. The first three years will follow the original schedule as presented through the Sprague-Franklin School with the student receiving a Company certificate at the end of this period.

This is the first such program to be offered by any of the state colleges and marks a tremendous advancement in cooperation between education and industry. Although Sprague Electric is the prime mover in organizing this cooperative program, the curriculum to be offered will be open to the public.

Sprague engineers who formerly taught the Sprague-Franklin course will be added to the North Adams State College evening faculty under

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## CLARK, TIEZZI, AND DUDLEY NAMED TO NEW CORPORATE RESPONSIBILITIES



Walter W. Clark



Anthony A. Tiezzi



William L. Dudley

The announcement that Walter W. Clark will become Assistant to the President for Quality Assurance matters effective October 1 was made recently by Ernest L. Ward, President. Mr. Ward also announced that Anthony A. Tiezzi will assume Mr. Clark's duties as Director of Quality Assurance and Reliability. William L. Dudley, presently Transistor Factory Manager at the Concord, New Hampshire Plant, will assume Mr. Tiezzi's duties as Assistant to the President, it was announced at the same time.

Mr. Clark will act as consultant to Mr. Tiezzi on policy matters pertaining to quality assurance and reliability, conduct all customer quality surveys at North Adams and for branch plants or divisions, and conduct quality control surveys of our own organization.

Mr. Clark is a native of Granville, Vermont and joined the Company in 1929. Since then he has been connected in various ways with production costs, methods design, production engineering, and most recently as Director of Quality Assurance and Reliability. Prior to joining Sprague Electric he was a design draftsman in the U. S. Navy for ten years. He is a member of the Quarter

Century Club, the Fraternal Order of Masons, and a former Selectman for the Town of Williamstown. He is married to the former Sara Bracy of Ogunquit, Maine. They have one daughter, Mrs. Arthur Christopher, Jr. of Camden, New Jersey.

A native of Meriden, Connecticut, Mr. Tiezzi graduated from the University of Connecticut in 1941 with a bachelor of science degree in electrical engineering. He has also done graduate work at Rensselaer Polytechnic

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## Bouchard Gen. Foreman and Bjornson Foreman in Ceramics Department



R. Bouchard

R. Bjornson

Robert N. Bouchard has been promoted to General Foreman of the North Adams Ceramics Department according to a recent announcement by Alvin A. Schils, Factory Manager of the Nashua, New Hampshire Plant. Mr. Bouchard will direct all Ceramic Department activities in North Adams reporting to Mr. Schils.

It was also announced that Robert F. Bjornson had been appointed a Foreman in the Ceramics Department earlier this year. Mr. Bjornson is responsible for all slug activities in monolithic, transducer and piezo ceramics.

Mr. Bouchard is a native of Nashua, New Hampshire and a 1950 graduate of Nashua High School. He joined Sprague Electric in August 1950 at the Nashua Plant as a Supervisor in the PTF Department. He was in the U. S. Navy from December 1951 to December 1955 and rejoined the Nashua group in January 1956 as Supervisor of the Vitreous Enamel Department. In February 1957 he was named Supervisor of the Ceramic Sample Department and in September 1958 General Supervisor of the Ceramic Body Department. In May 1959 he was transferred to North Adams as Foreman of the Ceramics Department. He is married to the former Kathleen Shelley of Indian

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## Joseph Bianchi Named Foreman at Brown St.

The promotion of Joseph P. Bianchi to Foreman of the Industrial Oil Assembly C department was recently announced by Frederick H. Potter, Factory Manager. Mr. Bianchi will report to John R. Shields, Superintendent of Industrial Oils.

A native of Adams, Mr. Bianchi attended local grammar and high school. He joined the Company in November 1951 in a production capacity, and in 1956 was promoted to Supervisor. Prior to joining the Company he worked for several years for the Brightwater Paper Company of Adams, and also served in the U. S. Army with the 77th Infantry in the Pacific Theater of operations during the Second World War.

He is married to the former Rita Menard of Dalton, Massachusetts and they have one son, Peter.



## Sprague Employees Go To School



Albert Brissette, Bennington Plant, receives his diploma for completion of an International Correspondence School Course in Electronics from Edward J. Coughlin III, Assistant Wire Manager. Norton Cushman, Plant Manager, offered his congratulations to Mr. Brissette for having achieved exceptionally high grades in the course.



Forty four employees took the Sprague-Franklin Technical Program entrance examinations on July 19 in the Marshall Street Cafeteria. Courtney W. Flanders (left) the Program's Administrative Director, and Dr. James J. Casey, former Technical Director, sign up a group of prospective students. Test results will determine whether the student will enter the Preparatory or the Advance Course.

### Sprague-Franklin

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the direction of Dr. Robert Hamilton, Director of the Continuing Studies Program. Sprague sponsorship for qualified employees will be the same as in the past. Employees already accepted for entrance or continuance in the Sprague-Franklin program will

automatically transfer to the newly formed credit courses. Past graduates of Sprague-Franklin, students who have dropped from the course, and others who may have transferable credits and are interested in this program, should contact Dr. Robert Hamilton, Director, North Adams State College, at MO 3-6582.

#### SCHEDULE OF COURSES

- 1st year (1st term) —College algebra I with Mr. William Tatem  
Physics I with Mr. Michael Geroulo
- \* (2nd term) —College algebra II  
Introductory physics II
- 2nd year (1st term) —Introductory calculus with Mr. Lawrence Wright  
Mechanics and sound with Mr. Ali Allmaker
- \* (2nd term) —Differential calculus  
Electricity and magnetism
- 3rd year (1st term) —Integral calculus with Mr. William Seely  
Electronics with Mr. John Seacord
- \* (2nd term) —Electrical measurements  
Heat and optics

\*Second term instructors will be announced at a later date.

Detailed outlines of each course are available by calling the Training Department at Marshall Street 2389.

In addition to the foregoing, additional credit courses are offered as follows:

Tuesdays, 7:00 - 9:30 P.M.—beginning September 18, 1962

Foundations of Applied Mathematics, Part I  
Literature of the United States  
Natural Science I - An Introduction to Science

Dr. Shirn  
Mr. Wheeler  
Messrs. Allmaker,  
Davis & Martin

Thursdays, 7:00 - 9:30 P.M.—beginning September 20, 1962

Radiation Biology  
The History of Western Art  
English Composition, Part I  
Modern European History, Part I

Dr. Lavenda  
Mr. Flagg  
Miss Toole  
Mr. Pierce

Interested employees should contact Dr. Hamilton at the State College.

## B. Barr Joins Company in Filter Engineering

Ben Barr has joined the Company as a Section Head in the Filter Engineering Section according to a recent announcement by Frederick S. Scarborough, Manager of the Interference Control Field Service Department.



Mr. Barr comes to Sprague Electric from the R. G. Bowen Company of Denver, Colorado where he has been Manager of the Industrial Electronics Division for the past three and one half years. He had previously been associated with the Martin Company of Denver, working on circuit development for the Titan missile.

Mr. Barr is a graduate of Arms Academy and attended the University of Colorado at Denver. He is married to the former Barbara Lowe of Denver and they have two children.

## Sprague Coop-Student Receives BS Degree

Burton T. Richards, a cooperative engineering student at Northeastern University, was awarded a BS degree in Engineering at commencement exercises held on June 17 at the Boston Garden.



After their first year of college, cooperative students alternate between work and study periods. Burton had spent all eight of his work periods at Sprague Electric where he was employed in Planning and Methods. A member of ROTC while in college, he presently is attending a six week summer military assignment at Fort Belvoir, Virginia. In the fall he plans to further his education towards a masters degree. Both of Burton's parents are employed here. His mother, Bertha, in Sprague International, and his father, Joseph, in Industrial Oils on Brown Street.

Sprague Electric has been actively interested in the cooperative engineering program since 1953. When one group returns to school after their work period, they are replaced by a second group who have completed a study session. Students have two work periods and two study periods each year.

As further evidence of our interest in the Cooperative Engineering program the Company offers a cooperative engineering scholarship of \$500.00 to enable deserving students to start their education. Cooperative programs are five years instead of the customary four years in non-cooperative programs.

### First Half Sales

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The electrical performance of solid tantalum capacitors had been improved by a factor of 100, in order to meet needs for the Air Force's Minuteman missile. The Company completed over 130,000,000 hours of tests on these capacitors under use and accelerated conditions to establish their capability of meeting a standard which permits no failures in 100,000,000 unit hours under use conditions to be encountered in the missile.

## Publishing Staff

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### BROWN STREET REPORTERS

Martha Clark, Florence Clough, Dolores Davis, Irene Drobiak, Alice Dupuis, Ann Heath, Joan Hyndman, Evelyn Jones, Ace Samia, Frank Santelli, Adeline Segala, and Erminia Sweeney.

Cartoonist: Harry Saunders

"Every Sprague Employee A Reporter"



Member  
International Council of Industrial Editors  
American Association of Industrial Editors  
Massachusetts Industrial Editors Association



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## WASTE COSTS CUSTOMERS AND JOBS

What would you think of a person who threw away \$20 bills?

For that matter, what would you think of someone who threw away dimes? You'd probably want to be around when it happened. But, in many cases you ARE there. In fact, you may be one of the persons doing the throwing!

Ridiculous, you say? Maybe. But look at it this way. Every time a housewife burns a beef roast, or a do-it-yourself fan ruins a piece of lumber or a child breaks a plastic toy gun, it's money out of someone's pocket.

If this sort of thing happens often enough, dad begins a campaign to trim the family budget. It may mean postponing a vacation trip, or it may mean a delay in buying a youngster's new shoes—it can take on many forms.

Regardless, the money has to come from somewhere to cover the loss.

### Similar in Industry

A similar thing happens in industry. Carelessness and thoughtlessness can make waste a serious bugaboo in the manufacture of any product. And just as it has many forms in the home, waste takes place in various ways in industry. For the typist, it might be a few "unimportant" sheets of typing paper or a couple of half-used pencils tossed into a wastebasket.

For a machine operator, it might be that he didn't report the improper operation of his machine immediately and below standard work was produced.

For a Jeep driver it might be the dropping of a case of units, damaging them beyond use.

### Waste Affects Our Jobs

There are many more ways that waste occurs and each affects us on our jobs.

How? First of all, it cuts into the profits the Company makes by adding to the cost of each item we sell. If the cost of making and selling a product equals what the customer pays for it, the Company breaks even. This, of course, is better than losing money. But, eventually, it becomes pointless once a Company can not remain in business very long without making a profit.

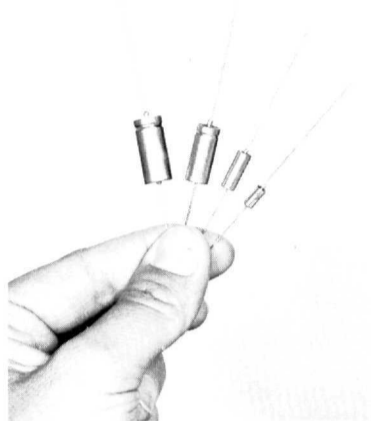
Profits—or earnings—buy new tools and equipment and pay for expansion and research and development work. This growth means new jobs, more opportunities for advancement, more job security and better jobs for all.

Sprague Electric has taken many steps—and invested many millions of dollars—to provide the type facilities and equipment needed to produce quality products in an efficient manner. Additionally, more and more stress has been placed on the importance of quality production.

But this alone can't do the job any more than a new washer on a leaky faucet will cut down on your water bill if someone leaves the garden hose on all night.

As in the home, where it takes the cooperation of each member of the household to cut down expenses, it takes the cooperation of each of us, doing our job conscientiously and efficiently, to lick waste in industry.

## Capacitors of Rare Metal Niobium Shown at Recent Wescon Show



New NIOCAP capacitors were introduced by the Company at the Western Electronic Show and Convention held in Los Angeles late in August. Shown here are four sizes of the new capacitor made of the rare metal Niobium.

Capacitors made of the rare metal niobium were introduced by the Sprague Electric Company at the opening of the Wescon Show in Los Angeles on August 21. The new niobium capacitors are the result of an intensive research effort by the same Sprague technical team which developed the first commercial solid electrolyte capacitors from niobium's sister metal, tantalum, it was said by Carroll G. Killen, Vice President, Industrial and Military Sales.

The capacitors, which will be marketed by Sprague under the trademark "Niocap", use an anode of non-strategic niobium or columbium as the metal is sometimes known. Unlike tantalum, which is a controlled material, there are ample supplies of niobium on the North American continent. At present, from 35 to 50% of tantalite, the tantalum ore which is purified for use in tantalum capacitors, normally comes from the Republic of the Congo. Supplies from this source have dropped sharply recently. Other sources of tantalite are in other African countries, such as Rhodesia, Nigeria, and Mozambique. Some ore is also obtained from Malaya in Asia and Brazil in South America. These sources may not be available in times of world stress, it was noted by Mr. Killen.

Because of its concern with this strategic problem, Sprague's efforts to produce niobium capacitors was unceasing until satisfactory capacitors were made earlier this year, following development of refining methods which assured sufficiently high purity in the niobium powder used in making the sintered anodes, Mr. Killen said. Coupled with the knowledge and experience obtained from its pioneer manufacture of solid tantalum capacitors, this has resulted in the manufacture by Sprague Electric of solid niobium capacitors, which, in the same chronological order of development, have characteristics superior to solid tantalum capacitors at their equivalent stage of development.

Niocap Capacitors will meet all environmental tests to which hermetically-sealed tantalum capacitors are subjected. Electrically, they will meet the same parameters which are generally accepted for commercial solid tantalum capacitors. As production increases, Niocap Capacitors should yield improved performance characteristics, according to Mr. Killen.

## Urban Named Northern Berkshire Foreman

It was recently announced that Harry C. Urban has been promoted to Foreman at the Northern Berkshire Manufacturing Company, a Sprague Electric subsidiary located here in North Adams. Mr. Urban reports to Ernest Purpura, General Manager of the Northern Berkshire Manufacturing Company. Northern Berkshire was purchased by Sprague Electric in January 1961. It manufactures rubber stamps and printing plates.



Mr. Urban is a native of Rockaway, New Jersey and attended Lodi, New Jersey grade school and high school. After serving an apprenticeship as an engraver he worked as a textile engraver for more than twenty years, most recently with the Arnold Print Works where he was employed from 1946 to 1961. Prior to joining the Print Works he served in the U. S. Army from 1943 to 1946.

Mr. Urban joined Northern Berkshire in July 1961 as Supervisor.

## Rock of Ages To Build New Two Story Plant

Plans for the immediate construction of a new building at Rock of Ages Capacitors, Inc., South Main Street, Barre, Vermont were announced in mid-August by Robert S. Gillette, President of Rock of Ages Corporation. Rock of Ages Capacitors, Inc. has for many years been a subcontractor to Sprague Electric Company.

The new building will be a two-story unit, providing approximately 20,000 square feet of floor space. Its dimensions are 110 feet in length by 90½ feet in width. The construction will utilize steel framework and a curtain-wall type of construction with concrete blocks. Modern heating and lighting fixtures, together with a fire sprinkler system, will be installed. Henry Lunde & Sons, a Barre contracting firm, will construct the unit.

Mr. Gillette indicated that an addition to present facilities of the Capacitors plant has been required for some time to provide space for machinery and equipment, as well as warehousing area. He stated that the new unit is designed both to meet existing requirements and to provide extra manufacturing capacity. Gillette expressed hope that employment at Capacitors would be increased as a result of the expansion.

Currently there are 405 persons employed by the Capacitors firm. At the same point in 1961 there were 330 employees.

The Rock of Ages official said that this expansion reflected confidence in the future of the Capacitors operation and the continuing ability of personnel at this plant to produce efficiently and compete successfully with other areas.

## Bouchard Gen. Foreman

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apolis, Indiana and they have three children.

A native of Malden, Massachusetts, Mr. Bjornson graduated from Boston Trade High School in 1953. He attended Franklin Technical Institute and Wentworth Institute, both of Boston. Prior to joining the Nashua Plant he was Plant Manager of the Dwyer Engineering Company of Nashua. He came to Sprague Electric in April 1961 as a Methods Specialist at the Nashua Plant and in January 1962 was named to his present position. He is married to the former Carol Nash of West Roxbury, Massachusetts and they have two children.

## \$433 Awarded by July Suggestion Committee To Seven Suggesters

At the July meeting of the Suggestion Committee eight employees were awarded \$433.00 for their ideas. The largest award, \$133.00, was made to Paul Paquin of Tantalum Formation. His suggestion was originally accepted in August 1961 for an award of \$125.00 and now was re-opened for evaluation resulting in the additional award. He has received a total of \$258.00 for his idea which dealt with the handling of tantalum stock to prevent warping.

John Gallese of Special Products Division Shipping received the second largest award made at this meeting. He received \$80.00 for his idea to place a bracket on a unit which protects the unit and allows it to be tested, potted, assembled and shipped with the bracket remaining.

Frances Solari and Peter Wol, both of Sample & Small Order Department on Union Street, each received an award of \$75.00 from the Committee. Mrs. Solari suggested a method of improving the assembly of units for her award while Mr. Wol's idea was for a new mold release to be used in core making, potting, and mold making.

Cora Ryan of SPD Magnetic Coil Winding received a \$25.00 award for her suggestion which resulted in improvements in coil winding machines.

An award of \$30.00 was shared by Erminia Sweeney and Rose Delisle, both of Clorinol and Industrial Oil Rolling and Assembly, Brown Street. They suggested a change in the tail-stock of the rolling machines which provided more flexibility in mandrel changeover for all machines.

A Special Safety Award of \$15.00 went to Thomas Quinn of Ceramics for improvements in sanding operations.

The \$433.00 awarded in July brings the total amount of dollars paid out for new ideas in 1962 to \$1,918.00.

## Telstar Satellite

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space vehicle launched by the U. S. Government from Cape Canaveral for Bell Laboratories. Small, only 3 feet in diameter, the satellite extends the horizons of very high frequency radio and TV stations, which are limited to line-of-sight range, around the curve of the earth.

Telstar receives signals sent to it from a ground station, amplifies them and returns them to another station on the earth, often across the ocean from the first station. Thus it acts as a microwave relay station in the sky, transmitting voices, TV pictures and data messages thousands of miles around the earth.

Only an experimental communications satellite, Telstar, performs a wide variety of functions aside from relaying messages. It is also studying radiation, micrometeorites and other unknown features of space. The surface of the 170-lb globe is covered with electricity generating solar cells, while hanging inside on nylon cords is a 20 inch aluminum container loaded with batteries, switches, sensing instruments, 1,064 transistors and 1,464 diodes.

Telstar is a major step toward a world-wide satellite communications system which will provide reliable 24-hour service for transoceanic telephone and television.

Last year there were 15,500 accidents on golf courses. But it beats staying around the house, falling off ladders and sticking your finger in the power mower.

## MISS ETTA E. OWEN HONORED BY CIR DEPARTMENT AT RETIREMENT DINNER



Honored at a retirement dinner, Miss Etta Owen (center) is shown with (left) Dr. William G. Heeks, Corporate Medical Director; (right) Miss Agnes Costello, longtime Sprague nurse and associate of Miss Owen; and (standing) John H. Winant, Corporate Director of Industrial Relations; Robert C. Sprague, Jr., Senior Vice President, Industrial Relations; Kenneth S. Brown, Industrial Relations Manager, Eastern Area; and John D. Washburn, Corporate Director of Personnel.

A dinner honoring Miss Etta E. Owen on her retirement on August 1 following twenty six years of service as Medical Supervisor of Sprague Electric Company was held on August 8 at Taconic Park Restaurant in Williamstown. Some 57 members of Industrial Relations and Corporate Industrial Relations paid tribute to her.

Mr. William J. Nolan, Senior Vice President Legal, was introduced by Kenneth S. Brown, Industrial Relations Manager, Eastern Area, who acted as Master of Ceremonies for the evening. Mr. Nolan praised Miss Owen for her great accomplishments over the period of time she had been with Sprague Electric.

Mr. Robert C. Sprague, Jr., Senior Vice President Industrial Relations, presented Miss Owen with a scroll listing the names of all those who participated in the dinner. He also pointed out that Miss Owen did the hiring of employees in the early days at the Beaver Street plant before there was an Industrial Relations Department.

Miss Owen responded, thanking the group for kindnesses shown her during her years with the Company.

Mr. John D. Washburn, Corporate Director of Personnel, also paid tribute to Miss Owen. He said that in her quiet way she had, on her own, gone to the aid of many Sprague employees at their homes when they were ill. Mr. Washburn presented her with a wallet and check on behalf of the group.

Mr. John H. Winant, Corporate Director of Industrial Relations, also echoed the praise and thanked her for a fine job over the years.

Miss Owen was also honored by the Sprague Management Club of which she had been a longtime member. Philip Talarico, Club President, presented her with a plaque and check on behalf of the Club and thanked her for her support of the Club, particularly for her help with the Santa Fund.

Miss Owen joined the Company in March 1936 as a nurse and developed the Company's present medical program. A North Adams native, she attended local schools and graduated from Drury High School. She received her RN from Franklin County Hospital, Greenfield, Massachusetts. Miss Owen was employed at the Curran Clinic both before and after her nurse's training.

Besides being a member of the Sprague Management Club, Miss Owen has been active in the Visiting Nurses Association, serving for four years as director, and the Berkshire County Industrial Nurses Association.

Miss Owen became a member of the Sprague Electric Quarter Century Club in 1961.

Introduced as a guest was Dr. William G. Heeks, who will become Corporate Medical Director of the Company on September 1.

## Names in the News

ANTHONY N. SACCO, Corporate Safety Supervisor, has been named to the Safety and Health Committee of the Electronic Industries Association's Industrial Relations Department. Mr. Sacco has been a member of the Ad Hoc Safety and Health Regulations Study Committee of EIA which studied and made recommendations relating to Federal Supply Contracts.

## Clark, Tiezzi, Dudley

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Institute. He joined General Electric as a student engineer in 1941 and held various positions including Design Engineer, Field and Sales Engineer and Head of Product Planning. He joined Sprague Electric in October 1957 as a Field Engineer. In January 1960 he was named Assistant to the Executive Vice President of Manufacturing and later Assistant to the President. He is a senior member of the I. R. E., a registered professional engineer in Massachusetts, a former director of the Mt. Greylock Ski Club, and a member of the YMCA. He is married to the former Mary Crossin of Pittsfield and they have three children.

Mr. Dudley is a native of Sakeston, Missouri. He graduated from Purdue University with a bachelor of science degree in economics in 1952, from Massachusetts Institute of Technology with a bachelor of science degree in electrical engineering in 1958, and did graduate work at the University of New Hampshire. He was employed by the American Telephone and Telegraph Company from 1952 to 1956. He joined Sprague Electric in November 1958 as a Field Engineer at the Concord Plant. He held positions as Quality Control Manager, General Foreman and Superintendent prior to being named Transistor Factory Manager in April 1961. Married to the former Kathryn T. Means of Mount Lebanon, Pennsylvania, they have three children.

"We have nothing to fear from the machine, at least insofar as there is any danger of the machine becoming any more intelligent than man. Computers, as any programmer will tell you, are giant morons, not giant brains.... Artificial intelligence is neither a myth nor a threat to mankind."

Dr. Arthur L. Samuel, of IBM

## SPRAGUE ELECTROMAG S. A. — RENAIX BELGIUM



Shown at the entrance of the Sprague Electromag Plant are Norton Cushman, Administrateur Delegeue, and his successor Mr. Carroll W. Lufcy.



Front view of the Sprague Electromag building on 2 rue de Merode, Renaix, Belgium.

Sprague Electromag S. A. was founded in Renaix Belgium in February 1961. Today the engineering laboratories and manufacturing departments employ more than 70 people engaged in serving customers throughout Western Europe.

Soon after the creation of the European Common Market it became evident that the computer and allied industries of the member countries were beginning a rapid growth resembling that experienced in the United States, and would require similar products and talents as were being offered by the Special Products Division in this country. It was clear, however, that in order to participate in this growth our Company would have to have a specialized facility in Europe.

The actual formation of this new Sprague organization began in August 1960 with the selection of Norton Cushman to establish and direct the initial operations of the engineering, manufacturing and marketing facilities. After a detailed survey of a number of Common Market countries by Mr. Cushman, Belgium was selected for the plant location, and under his direction an existing one story building was purchased and completely modernized with new electrical, heating and service systems to create the offices, laboratories and manufacturing areas shown in the pictures on this page.

During the construction work in the Spring of 1961 key employees were hired in Europe and began initial training under Mr. Cushman in anticipation of actual operations. At the same time the complex and specialized laboratory and manufacturing equipment required was built or purchased by the Special Products Division in the United States and forwarded to the plant in Belgium. Also during this period procedures and systems were established for such things as specification processing, quality control, order processing, payroll, inventory control, accounting and personnel matters.

As a result of Electromag technical sales activities, in cooperation with Sprague World Trade Corporation organizations in Europe, orders were received and significant manufacturing began in October 1961, less than eight months after the purchase of the original building shell. The sales volume and number of active customers have continued to increase at a substantial rate and the new company's product line now includes pulse transformers, magnetic logic devices, precision inductors, attenuators and complex subassemblies.

As a result of this encouraging growth magnetic bobbin core manufacturing facilities were installed and placed in operation in the Renaix



In the foreground the Inventory Control and Purchasing group works to ensure that materials purchased throughout Europe and the United States are available to production when needed. Seen here are Mr. Marchot, Purchasing Administrator, and Mrs. Vandenhende, Secretary. In the background is Mr. Botquin, Accountant.



The specification section of the Engineering Department contributes significantly to complex component design. Shown here are Mr. Spillers, Electrical Engineer; Mrs. Notebaert, Secretary; and Mr. Houtekie, Draftsman.



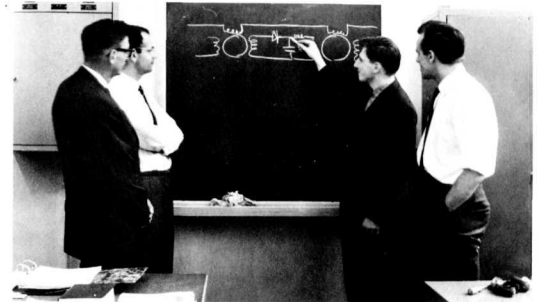
Plant during March 1962. This modern solid state material processing facility produces magnetic cores similar to those made in the Sprague Electric Company, Rockville, Maryland Plant, and will contribute significantly to the future overall activities of Sprague Electromag.

At the end of June of this year Mr. Carroll W. Lufcy assumed the responsibility for the management of the Renaix Plant and Mr. Cushman returned with his family to their home in Williamstown.

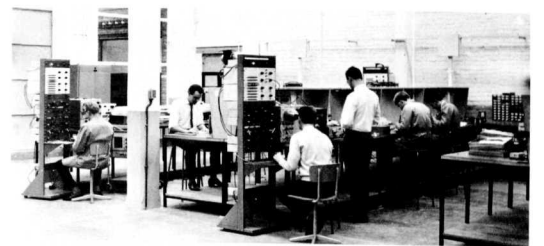
Mr. Cushman is now Plant Manager for the Special Products Division Bennington, Vermont Plant.

The Chemical and Resin Laboratories make important contributions to package and assembly design. Shown here are Mr. Vandendoren, Technician; Mr. Stockman, Machinist; and Mr. Speck, Process and Material Engineer.

Directing the hand winding section is Mr. Allaert, Production Foreman.



Engineering discussions are important in solving customer problems. Here Mr. Lufcy, Mr. Franc, Chief Electrical Engineer; Mr. DeBrandere, Quality Control Engineer and Mr. DeKeyser, Senior Electrical Engineer discuss a particular circuit feature.



The experimental section of the Engineering Department, where actual designs are evaluated, is equipped with certain specialized apparatus built in the Special Products Division.



A general view of the manufacturing department showing Mr. DeCanck, Production Supervisor, assisting with machine coil winding.





# THE TRADING POST



## FOR SALE

6 RM. HOUSE - with bath & 1/2. Excellent condition. Williamstown. Call GL 8-5574.

2-FAMILY HOUSE on Main Rd., Stamford, Vt. (opposite store); 5 rms. down; 4 rms. up. Separate oil furnaces; spring water. Call OX 4-1362.

1954 VOLKSWAGEN (Black) - with '58 engine. Excellent running condition. Very clean. Call GL 8-4709 after 6 P.M.

1960 AUSTIN HEALY SPRITE - excellent condition. Radio with additional 6" rear speaker; tackometer; 4 new tires; full carpeting; good heater. Over 30 m.p.g. in town. Call Ext. 2538 or GL 8-5268 after 5:30 P.M.

'56 BUICK - 4-dr. hardtop; power steering and brakes. Call Beaver St. Ext. 39 or MO 3-9768.

1959 THUNDERBIRD HARDTOP - excellent condition. Call 743-0562 after 6 P.M.

1959 BUICK - 4-dr. hardtop; power steering & brakes. Excellent condition. Call Beaver St. Ext. 39 or MO 3-9768.

DUO-THERM OIL HEATER with stand and barrel. \$25. Call MO 3-9926 after 4 P.M.

APARTMENT GAS STOVE (white). Like new. Also 2-drain cabinet sink (white). Call 743-0217 after 5 P.M.

(2) NEW JACKPOSTS - 12,500 lb. capacity. 5' - 7'9". \$5 ea. Call 743-2532 after 5:30 P.M.

\$300 AMERICAN FLYER ELECTRIC FREIGHT TRAIN SET - many accessories. Will sacrifice for \$150. Prefer to sell as unit. Call Marshall St. Ext. 2637 or Pittsfield, Hillcrest 2-6150.

WOOD FRAME JALOUSIE DOOR (81" x 31 1/2" x 1 3/4") complete with screen, storm window and hinges. Good condition. \$25 complete. Also Jacobson reel-type power mower. 18" cut; 2 cycle engine; good condition. \$35. Call MO 4-9898 after 5 P.M.

(2) GOODYEAR SUBURBANITE WHITE SIDEWALL SNOW TIRES (6:70 x 15) with wheels for 1955 Chevy. \$35. (1) Goodyear black tire (6:70 x 15) - \$8. (2) White sidewall rings (6:70 x 15) included. Call GL 8-3609.

HERCULES ENGLISH BICYCLE. Call 743-3942 after 5:30 P.M.

WHITE ENAMEL CAST IRON KITCHEN RANGE - coal & gas. Good heater. Call MO 3-7553.

RED WOOL STAIR CARPET; Oriental rug (9 x 12) - like new; 36" Tappan gas & gas kitchen range - 5 yrs. old; (2) table lamps. Reason for selling - moving to new home. Call 743-1758.

(1) PR. TAP SHOES - child's size 1; (1) pr. misses tap shoes - size 9; brown fur coat - size 10. Call GL 8-5441.

DUNCAN PHYFE DROPLEAF TABLE with extra leaf. When completely open will seat 8. Excellent for living-dining room. \$25. Table pads made to order for this table also available. Call Ext. 2492 or 743-2080 after 5:30 P.M.

(1) VARNISHED KITCHEN CABINET in very good condition. Call MO 3-3064.

WALNUT DINING ROOM SET - good condition. Cheap if taken at once. Call GL 8-4092.

## WANTED

SMALL MONGREL PUPPY for small children. Call MO 4-9898 after 5 P.M.

SQUARE WOOD PLAY PEN - in good condition. Call GL 8-3615.

SMALL FARM within 20 mi. radius of North Adams. Would like to rent or lease with option to buy. Call 743-9192 or 743-2195.

**back to school expenses...**

**PLAN AHEAD WITH YOUR CREDIT UNION**

CAST IRON WOOD CHUNK STOVE for my camp. One that will take a good size chunk. Call George Senecal, Ext. 2411.

## FOR RENT

3 RM. APARTMENT - completely furnished. Reasonable. Call MO 3-5556.

5 RM. DUPLEX APARTMENT in Adams. Call 743-1962.

5 RM. APARTMENT in Stamford, Vermont. Heated and continuous hot water. Call OX 4-1362.

## THE TRADING POST

### LOG DESK

Marshall Street

☐ For Sale

☐ Ride Wanted

☐ Wanted

☐ Riders Wanted

☐ For Rent

☐ Lost

Name.....

Home Address..... Home Phone.....

Department..... Dept. Ext.....

Extra Copies can be obtained from your Department Reporter or by calling the LOG DESK, Marshall St. Ext. 383.

# Departmental News . . .

## BUSY BEAVER NEWS

### Film Products

by Veronica Sobon

When warm weather comes around everyone goes around saying they are tired and need a vacation—so what happens? Everyone runs around buying a wardrobe, fishing equipment, etc. After that they try to visit as many places as they can possibly crowd in a week or two and come back to work more tired than ever—as you will see by reading the rest of this column.

Olive O'Neil spent a week at Lake George taking in all the sights. . . . Mary Mondia visited and shopped in Springfield, Hartford and Albany. . . . Harold Norcross spent some time in Montreal, Canada and Rye Beach at Hampton. . . . Alvena Gifford, accompanied by her son, went up to Maine and did some fishing. . . . Geraldine Shartrand relaxed at home most of her vacation, but couldn't resist giving the old fishing pole a try. Did you have any luck, Gerry?

Marceline Poirot took a trip to Bristol, Rhode Island and Fall River, Massachusetts. . . . Marge Barry, accompanied by her mother who is visiting her from California, motored to Pennsylvania and her old home town of Williamsport. . . . Sophie Bombardier relaxed around her home just resting, and so did Gladys Sorel. . . . Mary Volpi went to Lake Champlain with her husband and two sons who outdid their father catching the biggest fish.

### Metal Clad Finish

by Helen Sikora

Vacations are still the big subject here in our department. Soon they will be all over. . . . Those who had theirs came back saying that two weeks goes by much too fast. Sorry folks, you'll just have to wait another year now. . . . Joan Mahar and Hazel Camadine are spending their vacations at Lake George, New York. . . . Alice Nichols visited her son at Old Lyme, Connecticut. . . . Anne Davison motored to Long Island. . . . Susan Labelle went to Michigan.

Short trips will be enjoyed by Lina Shepard, Wilfred Girard and John McConnell. . . . Frances Filip and Josephine Mastalisz are sporting new Chevrolets, and John McConnell and Lina Shepard have new Fords. We all hope you enjoy every mile with them.

### High Reliability

by Marion Andrews

Well, I'm back again reporting more news and vacations for our department. . . . Vi Levesque spent her vacation at Ogunquit, Maine. . . . Claire Roberts and her family went tenting in Maine. . . . Florence Gosse- lin vacationed at Salisbury Beach and Woodland Camp at Constanina, New York. What a tan! . . . Edward Konopka, one of our supervisors, spent one week in a cottage on Lake Erie and the other week visiting his in-law's in Detroit, Michigan. He had warm and beautiful weather the whole trip.

Alice Carpenter spent her vacation in Vineland, New Jersey visiting her sister who she hadn't seen in eight years. . . . Florence Carsno visited in Westerlo, New York and took a trip up through the Adirondacks. Florence took her first airplane ride at night. She said it was quite a thrill to look down and see all the lights in the city. You're braver than I am, Florence. . . . Marion Andrews and

husband took a trip to Green Lake, Wisconsin. While there Mr. Andrews was elected National Fellowship Chairman which makes him a member of the Executive Committee of the American Baptist National Men.

Some of the girls who have been on vacation are Marcy Miller, Rita Sorel, Norma Jamros, Marie Dean and Evelyn Robinson. Mary Gleba spent a week at Cheshire Lake taking it easy. . . . Marie Dean, who moved recently, says this is it. No more for her. She was quite pleased to see her grandson, his wife and two children from Oceanside, California. . . . Dot Davis is very excited about the new cabin cruiser which she bought and also about her two new grandsons. Dot is very partial to boys.

We wish Mabel Bishop a speedy recovery and hope to see her back with us soon. . . . Chris Pugliese's son, Robert, signed up for service in the Army Administration Branch. After basic training at Fort Dix he will be sent to Fort Benjamin Harrison, Indiana for specialized training. . . . We all were glad to see Mary Wilson back with us after a leave of absence. . . . P.S. We just found out 'Red' Robinson went to Washington, D. C. on her vacation.

### Bathtub Assembly

by Jessie Meczywor

Most people like to use 'Handy Andy' to help them with their work—well we would like you to meet a young fellow whose name is not 'Andy' but he certainly is very handy. How about it John Koscinski! Welcome to our little group. . . . Vacation time is here and Karl and Lola Briggs and Frankie James and his family chose Lake George as their destination, while our supervisor, Jeff Barry, as usual, spent his on Blueberry Hill. . . . Vivian Dale motored all the way to Canada to do a little bit of fishing at Lake Memphremagog.

Jimmy Dean spent his vacation moving into his new home. . . . Resting and taking life easy at home were Laura Skowron, Mildred Bathaway, Catherine Scott, Elizabeth Sheehan, Lucille Beaudry, Alice Pedercini, Florence Lincoln and Jessie Meczywor. . . . We are glad to hear that Caroline Grant is back home from the hospital and recuperating nicely after an operation.

### Paper Rolling (Nights)

by Justine Miner

Farewell to Mary Maselli, and also to the girls who have left us for only a short while—we hope. . . . Welcome to Pete Rondeau—Peck's bad boy. He loves to tease the girls—and so do a few others! . . . Back from vacation are Joe McCarthy who went to Lake Bomoseen and Shirley Higgins who went to Battle Creek, Michigan and West Point. . . . Theresa King went to Old Orchard Beach. . . . Lena Roy went to Maine and Vermont. . . . Joyce Socha went to Canada and Connecticut. . . . Joyce Tatro went to Papoose Pond in Maine. . . . Mary Rose LaFlamme and Lil Blake stayed at home. . . . Lorraine Wittig was at home with sick children. . . . Marlene Bush went to Woodford Mountain, Vermont and Justine Miner went to Piseco Lake, New York.

We hear Bill Mendel did a mean Twist at Claire Gelineau's stag and shower. . . . Best wishes to Norma Morrissey and Josephine Ciavarella who are on sick leave. . . . Until next month—Keep Smilin'.

### Plating

by Joe Pilling

All of the fellows are taking their vacations and they don't say much when they come back, so the news will be brief. . . . Stan Lesnick spent a couple of days in Rome, New York and the rest of his first week at home.

. . . Your Reporter went to Coopers-town and to Boston where I saw the Yankees clobber my Red Sox. I spent the rest of the week at home. . . . If Harry Paesler has a faint southern accent these days blame it on his vacation trip. He went down through Virginia and North Carolina. . . . Ray LaFrance spent his vacation at Old Orchard Beach.

Charlie Kozlowski spent his vacation at home and at the same time got himself a good looking Chevy wagon. . . . Mike Becker drove his Jeep to work the other Saturday just to prove to the doubters that he owns one.

### QAR

by Bonnie Beverly

Well, vacation time is in full swing now and I hope everyone enjoys their vacation. . . . Norman Gajda and Norman Rougeau have returned from theirs and look rested. . . . Gene Beaupre, Tony Tassone and Fran Brazeau are also on vacation and I hope they have pleasant ones. . . . Janice Plantier went to Lake George on a camping trip. It appears that she had a good time. . . . Tiny Mancini had a vacation and he must have enjoyed it because while he was out he and his wife had a visit from the stork. He is now the proud father of a baby girl named Tammy who was born Saturday, July 21. Congratulations, Tiny.

Well I suppose everyone has heard the good news by now—Hazel Goodale has a diamond. Her husband-to-be is Ed Bullock of Williamstown. They plan to be married in the fall. . . . Carol Giroux and Eleanor Abusi are also enjoying vacations. I know they will hate to come back. . . . Rochelle Beckwith and her husband have bought a new trailer. I hope they will enjoy their new home.

### Metal Clad Assembly

by Assunta Pollone

Frances Sprague, our schedule clerk, has left us to work nights in High Reliability. In her place we have welcomed Eleanor Cutler. . . . We have also lost our clerk, Pauline Barrett. Pauline left on the Q.T. because she said it would have been too hard to say so-long to all of us. We wish Pauline a long and happy retirement. . . . It's a toss up between Lola Briggs and Lucille Cross which one likes to Twist the most—but this we do know—Anna Lawson is the Number 1 baseball fan. Ann's son, John, is a Little Leaguer in Adams and she doesn't miss a game.

Vacations are still going on—Janina Dymek spent hers taking short trips. . . . Julie Tash visited relatives hither and yon. . . . Stacia Sikorski spent hers at Atlantic City. . . . Douglas Brunina and his wife and children spent two weeks traveling way up in Ontario, Canada. . . . Ada Harrington and her husband took a leisurely trip to Niagara Falls, Montreal and the Thousand Islands. . . . Alice Lavariere



This handsome young sailor is Dennis Sondrini of Indiana, grandson of Anne Patenaude of Metal Clad Finish, Beaver Street.



Loretta James of Check Inspection proudly displays the 11 lb. 6 oz. cod which she caught recently at Buzzard's Bay.

went to Old Lyme Beach, South View, Connecticut for the 10th year. While there they went through the Old Gillette Castle in Hadyhem. Alice said it belonged to a millionaire poet and is just beautiful.

Edith Noel and her family toured our nation's capital, Washington, D. C., and although she enjoyed it she was very disappointed in not seeing the President and his family. They were here at Cape Cod at the time. . . . Your Reporter spent her vacation attending her nephew's, Robert Giorgini's graduation from Bryant College in Providence, Rhode Island. . . . Lucille Cross and her husband celebrated their 8th anniversary. . . . Bruna Buletti's daughter had a beautiful wedding last month and is now getting ready for her daughter's graduation.

They are looking for pretty girls for Fall Foliage Queen and we do have a lot of them at Sprague's—so come on girls! Don't be bashful! We'll be rooting for you.

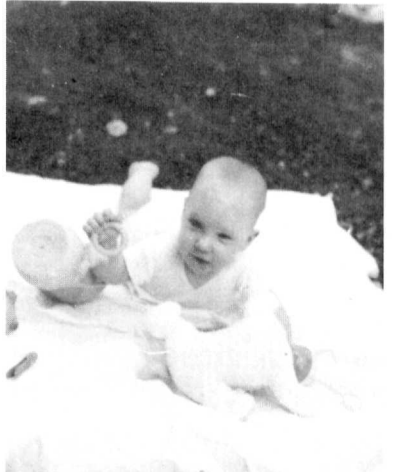
### Check Inspection

by Walt Gould

Phyllis Parker is on vacation and it is reported that she threw the alarm clock out of the window the first day. She will probably spend some time pulling up clover for the new rabbit. . . . Della Gawron is considering a move from her present neighborhood.

It must be unhealthy as in addition to the family sickness and injuries, the favorite shade tree came down with Dutch Elm disease. . . . Hank Testa is on vacation and probably picking up a good sunburn and a lot of good food at a New Jersey beach. . . . Helen Bryce is counting the days so that she can start touring. . . . Ceil Mikuszewski was in tough shape when she came back—had to stay out a few days to recover from her vacation. She did get a few blueberries and saw our old co-worker, Ethel Sakowski, who by the way, is losing weight via the diet method.

Marilyn Daub is still doing some commuting camping at Windsor Jams. . . . Dick Maynard is still with us and of course keeping busy in the Small Order department. . . . Two



Little John Severin, Jr. is the son of John of Check Inspection and Carol of Sales. He is the 25th grandchild of Helen Burdick of Union St.

Gun George Maxwell and Harold Weyers are putting on a drive for funds with which to purchase bowling shirts for the coming season. . . . Clarence Rhodes, we'll have to find another first name, spends his spare time touring the country in his Volkswagen. . . . Things are very quiet for me—just a little fishing—but it will soon be time to go to camp for Vermont deer season.

### Miscellaneous Papers

by Doris Richards

Vacation time is in full swing and so far among our vacationers we have had Edna Cwierniewicz who went to Springfield, Massachusetts; Ruth Arrighini who spent a couple of days at Lake Champlain; and Martin Kulpa who went to Dundee, Illinois. . . . Stephanie Kulpa, Maskina Morin and Adele Solari spent a week at home. . . . Agnes Fitzgerald will be starting her trip to New Hampshire again before too long. Her daughter and family are going back to Laconia to live. . . . It's nice to have Theresa Vono back to work and to know that her husband is improving too. He had a shock recently and was in serious condition for awhile. . . . Sincere sympathy is extended to Anne Malloy and her family in the recent loss of her mother.

Doris Richards has been taking a



This little charmer is 5 year old Scott Roy, grandson of Frances Roy of Metal Clad Finish, Beaver Street.



In a pensive mood is little Bonnie Tremblay, daughter of Florence Tremblay, Clorinol Department.



All set to explore new wonders is little Glenn Wilson, son of Mary of High Reliability, Beaver St.

few week-end trips: Old Orchard Beach, Maine, Hartford, Connecticut, and Lake George, New York. . . A group of us, former co-workers of George Messina a former Sprague employee, sent a fruit basket and a ceramic tile picture to George with get well wishes. George is a patient at the Vet's Hospital in Albany. Doris Richards and Adele Solari took the gifts to him. At last report George was improving daily.

Just a word in closing in regard to Miss Etta Owen R.N. who recently retired. We wish you many years of health and happiness. It's been nice knowing you and may God bless you in retirement. (Editor's note: A lovely poem written by Doris Richards in tribute to Miss Owen may be found on page 9.)

### Paper Rolling

by Nabbie Skorupski & Pearl Sharples

Warm weather and vacations are here so we hope everyone is enjoying it. . . Yvonne Garvie went to Lake Champlain. . . Lillian Hartwig went to Hedges Lake, New York. . . Yvonne Leonasio stayed at home. . . Stella Belanger went to Boston. . . Marie Richer stayed at home delivering the morning papers for her son. Imagine getting up at 5 A.M. when you could be sleeping and enjoying it!

Yvonne Daunais went to Bar Harbor, Maine. . . Emma Gagnon went to Great Falls, Montana to visit her daughter who is expecting the stork. . . Tillie Mendel spent her vacation at Ocean Beach, Connecticut. . . Jim Zabek, our Foreman, also went to Ocean Beach. . . Mary Troia made a trip to Beacon Lodge, Lewiston, Pennsylvania to visit her son, Sammy, who spent two weeks at camp there. On her vacation she went to Atlantic City and Cape Cod.

Josephine Farley went to New York to visit her son. . . Blanche Mazur went to Detroit, Michigan. Blanche is expecting her son home for a 30 day leave. . . Velma Lincoln went to Coldwater, Michigan to bring her son and daughter-in-law back to live in North Adams. . . What a surprise Lillian Hartwig had when she discovered a baby carriage and carrots in the trunk of her car. It was a good thing that Phil Nimmons claimed

them and explained they were put there by mistake. What gives with the baby carriage, Phil? . . . Schevia Le-Fave claims if her husband can give her a vacuum cleaner for Mother's Day, he certainly deserves a steam iron for Father's Day.

Mike Nimmons served as honor guard of the Queen's Court at the Adams High School Prom. . . Carolyn Skorupski, daughter of Nabbie, was home for a week's vacation and is now back at Carnegie Institute in Boston for the rest of the summer. . . We would like to welcome all the newcomers and hope they like working with us. . . We wish Eleanor Cutler success on her desk job in another department.

We wish a speedy recovery to Betty Carlow who is in the hospital.



### Industrial Oils

by Erminia Sweeney

Good bye to Agnes Miller and Liz Slattery who have transferred from our department to Sandia. . . We would like to welcome four new girls: Sandra Pugliese, Madeline Biron, Linda Thibert and Margaret White. . . We wish to extend our deepest sympathy to Bill Barnard on the death of his mother. . . Back from vacations are your reporter who spent several days with her son and daughter-in-law in Connecticut. . . Dot Lowe who spent her vacation at the beaches, and Lorraine St. Cyr who went to the Cape with her family. . . Lydia Spooner, her husband, and family also went to the beach.

Vacations are still in the making and Jimmy Higgins will be heading for New York, as usual, and taking in the Yankee games and the beautiful New York shows. . . Walt Kondej and family are spending two wonderful weeks between Old Orchard Beach in Maine and Canada. . . Harold Brown went fishing at Lake Champlain on his time off and got a mess of pike. . . Phyllis Santerre and family are at Lake George in their new family trailer. . . All the boys at Brown Street are waiting impatiently for the time to come for the annual outing at Charlie Zocchi's camp.

Joe Morin is spending his vacation in Boston taking in the ball games and watching his favorite team, the Red Sox. . . Yours Truly and family spent a week traveling and spent a few days at the beach in Maine. . . Guess that's it for now!

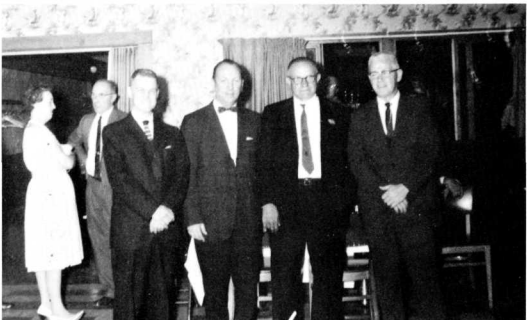
### Industrial Relations Stocking

by Ann Heath

Clem Mossolani was honored on his retirement from Brown Street. Fifty-five co-workers and relatives gathered at Taconic Park Restaurant



Mr. and Mrs. John DeMarsico pose on their wedding day. She is the former Maryann Zagorski, daughter of Elinor of Filters.



Posing for an 'official' picture at Clem Mossolani's retirement party were: (left to right) Ken Russell, Bill Spencer, Clem, and Bernie Fitzpatrick.

to celebrate the occasion. Bill Spencer acted as MC. He was terrific. Bernie Fitzpatrick and Ken Russell complimented him on his working ability and his good humor which has been a ray of sunshine in the department. We all heartily agreed to this! The highlight of the evening was a poem, written by Ann Heath, and recited by Phyllis Brooks. It was dedicated to Clem and highlighted his activities in the department. It brought the house down. Ken Russell, on behalf of the department, presented Clem with a billfold and a sum of money. . . Ken Randall, who has taken Clem's place, was given a corn cob pipe. We don't want to get lonely for Clem's old pipe.

Alice Beer, Mary Critelli and Emily Mumford seemed to find something very humorous as they sat in the corner. After a wonderful dinner, as only Mike can serve, dancing was enjoyed. Margaret and Clem started the dancing with a waltz. We didn't know the old boy had it in him! The belle of the ball was Phyllis Brooks. She kept things humming. Who was the dolly with her toes turned up, that all the boys wanted to dance with, Helen Murphy? Helen Falco was a picture dancing with her thumb in the air. Walt and Irene Kondej gave a good exhibition of the Twist. We all tried it, but oh, my aching back!

Joe and Bert Richards cut a rug as only they can, and Bill Spencer looked pretty snazzy with his bow tie. Bernie Fitzpatrick was the Arthur Murray of the party. What a dancer! For that matter, Ray, Martha and Don Clark weren't behind the door when it came to doing the rumba. It was nice to see Clara Lescarbeau at the party and looking so well. It was really a time to remember.

Bernie Fitz wasn't on the war path the other day. It was a can of spray paint he accidentally got on his face!

### KVA

by Frank Santelli

We would like to welcome Dick Morin to the KVA Department. Hope you will enjoy working with us. . . Hope John Shakar enjoys his vacation in Canada and New England. . . Our check inspector, Lou Thomas, and his wife enjoyed a wonderful two week vacation in Hawaii. How were the pineapples, Lou? . . . We wish the best of luck to Larry Isabelle on his new job in the Electronic Lab. . . Louis Damiano will be enjoying a swell trip to his native country, Italy, very shortly. Good luck, Lou.

Harold Brown recently won top prize in the Deep Sea Fishing Contest with an 8 lb. haddock. Ace Samia came in second with a 5½ lb. cod. Frankie Kolis got the boobie prize with a small sand shark. . . Charles Zocchi is still looking for worm donors. Anyone having any worms or night crawlers call Brown Street Ext. 55.

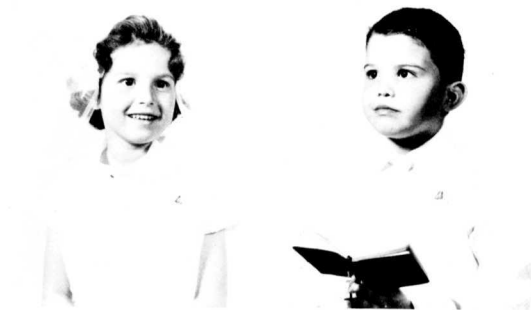
## UNION STREET Echoes

### Small Orders

by M. Shirley Noring

So long to Ceil Michalenko, Pat Duncan, Jennie Brown, Sally Allegra, Irene Kondej, and Marion Cyr who have been transferred to other departments. . . We hope it's only temporary and you'll be back with us soon. . . After two years of disappointments Jane Martin finally made it to California. She also hoped to spend a couple of days at the Seattle World's Fair and then on to her sister's in Southern California. . . To sunny Florida went Deil Lilly and Armand Trotter—separately of course—Deil for 4 weeks and Armand for 2.

Gert Noel is heading for Cape Cod. . . Pauline Dean to Lake Shafsbury. . . Frances Solari is going to Hamp-



Marianne and Gerald Osizlo, 8 year old twins, are the children of Anna of Dry Rolling and Stanley of Western Electric. They looked quite angelic on the day of their First Communion.

ton Beach. . . Speaking of Hampton Beach, Bob Marriott promised his daughters "three" a few days there—let's hope he kept his word or there may be triple trouble! . . . Both Helen Foote and Dottie DeGraff are home convalescing after visits to the North Adams and Adams Hospitals respectively. We all wish them well and back with us soon.

Summer's most over—  
Labor Day's in sight.  
Right now it's racing season—  
Just place your bets right.

### Magnetic Finishing

by Helen Burdick

Hello! Hope everyone is having a grand summer and grand vacation. . . We send get well wishes to Ginger Gallese, wife of John one of our supervisors, who was badly hurt by someone who threw a bottle filled with sand and hit her on the head. It happened on the last day of their vacation. John's family have had tough luck this summer. His older daughter, Sandy, fell and broke her arm so she had to spend her vacation with her arm in a cast.

Well vacations are nearly over and no one went to the World's Fair in Seattle. I would love to have gone but will have to wait until 1964 when New York has a World's Fair. . . It's rather quiet at Union Street with vacations going on and quite a few being transferred. . . Helen Murphy, Lil Goff and Betty McConnell just returned as well as Yours Truly. . . The first three made a few trips to Saratoga. . . Joanne Aragose is now on vacation. Maybe she did something spectacular. Let's hope so! . . . See you soon. Take care.



### Filters

by Ruth Haskins & Alice Monette

Florence Szafranski enjoyed her vacation on Cape Cod. She received a real thrill when she took her son into a toy gift shop at Hyannis and discovered President Kennedy and his daughter, Caroline, in the shop. Florence says he appears greyer and thinner than on television. When the President left the shop four Secret Service men appeared from nowhere and followed him. Florence waved to him as he was driven away.

Alvina Burdick did lots of traveling and visited several places including five days in West Suffield, Connecticut. . . Dot Koscielniak says she worked hard on her vacation but took time out to visit the Graymoore Monastery in the Catskills. . . Mabel Williams enjoyed a real rest during her two week's and had fun at Horn's Beach. . . We know Evelyn Walden loves racing so we asked her what tracks she visited this year. "All of them!" was her immediate reply. She also spent some time with her daughter in Saxonville, Massachusetts.



Another First Communion picture shows Christine Durant, grand niece of Dot Mellillo of Western Electric and granddaughter of Eleanor Alibozek of Brown St.

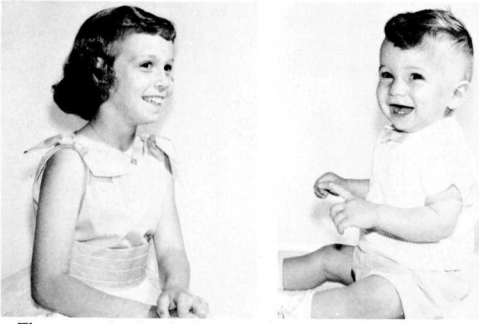
John Davis says he spent his vacation right out straight—in a chaise lounge with a beer! He visited in Sterling, Massachusetts. . . Eleanor Zagorski used the first week of her vacation preparing for her daughter's wedding and the second week to recuperate! . . . Dot Paquin used her time off to visit her father who is a patient in the hospital. . . Anne Dube's eyes were shining and she was all smiles as she told us her son, Donald, was home after 20 month's service in Europe. Anne says he looks "just wonderful".

Mike Morin vacationed at home using the nicer days to visit friends and nearby racetracks. . . Bertha Roy visited many shrines including St. Anne de Beaupre, St. Joseph's Oratory and the National Shrines of Canada as she toured Canada with her husband, son, and daughter-in-law. We enjoyed the picture folders she brought back. . . Effie Colvin travelled with her husband to St. Louis, taking a different one from the one she usually follows. This time she was able to see "Old Smokey". . . Frances Dami took a few days to visit her sister who is here with her family from Florida. They found time to go to New York City and then to Rockingham Park. . . Gert Pedercini spent a week-end at Lake George and one at Syracuse. She has been week-ending so much this summer we can't imagine where she'll go on her vacation.

### SPRODCO Inventory Control

by Peggy Brule

School days will soon be here again and that means Marg Lasher's son, Bob, will be in his sophomore year at State College. . . Millie Butler's twin sons, Richie and Bobbie, will be in the 8th grade at Freeman School. . . Peggy Brule's son, Wayne, will be a 7th grader at Freeman and her daughter, Charron, a Junior in St. Joseph's High School. . . Congratulations to Bill Cone and Al Bourassa who have been promoted. Bill is now Inventory Controller of Sprague Products and Al Bourassa is Office Supervisor.



These two lovely children are Gayle and Mark Lavigne, daughter and son of Jerry and Lorraine Lavigne of Autonetics and grandchildren of Exilda Suprenant of Subminiature Drys and Ken Suprenant of Heat Seal.



Peter Ralph and Susan Ruth Chesbro are the grandchildren of Ruth Haskins of Filters and children of Joan Chesbro formerly of R & E.

Our best wishes to Josephine Clermont and Robert Laliberte who were married on August 18th. Gifts for the baby-to-be were given to Nancy Peat Daignault when she left. Marcia Lewis, Bill Cone, Nan Rousseau and Peggy Brule were on vacation recently. Marcia went on several short trips. Nan went to Canada along the St. Lawrence Seaway. Bill enjoyed a week at Atlantic City and the other week skiing and swimming in Pontoosic Lake, Pittsfield. Peggy Brule was at the Cape for a few days and the rest of the time at Misquamicutt Beach, Rhode Island.

Everyone adored Peggy Raby's new haircut. Bob Burbank must have seen feet by now! He and his fiancée have been shopping several weeks for things for their future home. A speedy recovery to Marg Lasher's and Millie Butler's mother who has been in the hospital.

#### Filter Development Coil Winding

by Lucy Kenney

Marge Richer spent her vacation on "old Cape Cod"—a very interesting place. At this time Jean Maselli's son, Jackie, is going to summer school and is doing very well. Etta Senecal is spending a month in California visiting her relatives. Margaret Cironone spent her vacation in Atlantic City while Alida Heath went to Lake Champlain. Stella and Jack Battersby went to Toronto, Canada and Niagara Falls. Jeanette Cadu went to Saratoga Springs. Virginia Delisle went to Lake Cossayuna in New York State. Tony Falco went to Maine. Gilly Moore went "way up North".

Madeline Boner spent her vacation at Virginia Beach while Dorothy Koscielniak spent her time at home. Ann Dubie and Rita Aragose also had nice vacations—and you know who else—Art Cardinal!

#### Office Services

by Carmela Brazera

Here is your reporter with one more day of vacation left—taking time out to get the departmental news

in on time. I enjoyed my vacation traveling around Niagara Falls, Canada, Thousand Islands, Lake Champlain and Burlington, Vermont; and swimming at different beaches in Rhode Island. I also visited relatives in Westerly, and Pawtucket, Rhode Island and Southbridge, Massachusetts. A good time was had by all, but I'm really sorry it has come to an end for another year.

Al Horsfall is also back from his vacation which was spent at the White Mountains. He and his wife had a very good time. It's good to have Andy Plue back with us after being out here. We sure missed you, Andy! Farewell and good luck to our Dennis the Menace, Dennis Kuzia, who has left us for Uncle Sam. He received a pen and pencil set from the department. Also farewell to Mary Aldrich, our expectant mother, who has left us to await the blessed event. Mary was presented a beautiful silk puff and pillow for the baby from the group.

Your Reporter is in the dog house again and must apologize for an error I made in the last two issues—our foreman, Harold Twitchell, is commanding officer, Capt. of Co. E, 319th Engineer Battalion, Local Army Reserve, and not the National Guard as I put in the last two issues. OK, Harold! His Company also won an honor medal for being one of the best units.

#### Quality Assurance & Reliability

by Mae Stoerber

At this point everyone is either back from a glorious vacation, well tanned, or very pale and very eager to get going with their two weeks with pay. Cape Cod seems to have hit the jackpot for vacations as far as this department goes. Ernie Purpura, Mickey O'Neill, Russ Marchio, Paul Horbal, Carole Cote, Cynthia Rodowicz, Cynthia Mills and Linda Burdick all were enthusiastic about their vacations at various places on Cape Cod, and with varying shades of tan acquired. Sis Vadnais, Carole Sobon and Shirley Lyman became quite attached to Hampton Beach, while Mike Malanga and his family, and Virginia Thompson and her husband, Roy, lolled on the sands of the New Jersey shore—your writer's favorite vacation spot.

Ray Lamoureux and his family traveled through the White Mountains and then stayed at Lake Lauderdale for another week. Betty Lou Price enjoyed her visit in Fall River. Fred Schoenfeld got away from it all in Maine—while these folks took the southern route: Joe Brewer went to North Carolina, Gatha Broome to South Carolina, and Irene Dinneen to Miami Beach, Florida. Rita Chenail and Al enjoyed two weeks at their camp in Woodford, Vermont and Chuck Belouin had a nice lazy two weeks at camp at Windsor Pond.

No one-spot vacation for Joe O'Brien this year, with a trip to New York City, Lake George and Lake St. Catherine.

Perhaps the most fabulous of all vacations (had by those in QAR this year) was taken by Howard Sherman—Howard and his wife flew by jet to Scotland for three weeks, and it was most enlightening and entertaining to listen to Howard's many experiences and impressions of the bonnie banks and the bonnie braes of Scotland. The girls in the Blueprint section are busy vacationing also. Jane Bissailon went to Niagara Falls, Rita Fournier visited Meridan, Connecticut and the Connecticut beaches, Chris Smith stayed home this year, as did Rosalie Randall who just loved being home with her 2 year old baby doll. Pat Smith was completely happy on her vacation (?) caring for her brand new baby brother, and the entire Blueprint group had a whale of a time spending the night at Judy Brooks' camp in Woodford, Vermont—there were some pretty sleepy heads at work the next day.

The girls in the department held a party on Vivian Accetta at Elwal Pines. Viv was presented numerous gifts from the entire department, one of which was a high chair. Another nice party was held for Simone Rougeau. This party was held at the Hob Nob and Simone was presented a purse of money. She became the bride of Mahlon Richards in a beautiful wedding at Notre Dame Church on August 11. They are now living at Plattsburg Air Force Base. Pat Smith was hostess for a miscellaneous shower, also for Simone.

WONDERS—Wonder what's the matter with Carole Cote's fingers. She can't seem to bend pins to make bows (weren't you fired from the job of making favors, Carole?). Wonder why it was so difficult for Penny Vareschi to move around recently? (Could it be the horse is in the same condition?). Wonder why the jar of olives didn't break, Cooky (Could it be because you've had so much practice?)

#### Filter Small Orders

by Julia Desrosiers

Congratulations to Yvette DuBois for a very happy birthday, and also on the birth of a grandson. We're glad to hear that mother and baby are doing fine. Jeannette and Andy Konopka enjoyed their vacation at Lake Champlain. No luck in fishing, but the tans were real nice. Their granddaughters enjoyed a week with them also with their parents, Richard and Rose Konopka. Harriet and Ralph Sherman are enjoying their vacation at York Beach, Maine and other places.

Bill and Jean Wheeler are spending their vacation with their children, Janice and Leslie, at their camp in Whitingham, Vermont. Best of luck to Leo and Angela Mullen who are building a new home on Wells Avenue. Harold Moreau spent the week-end in New York at the ball park.

#### Check Inspection

by Betty Jangrova

Loretta James and family enjoyed a wonderful week at the Cape. The only regret was that the time was too short. Mr. & Mrs. Amen Attalla toured to Maine to get their fill of good old lobster. Jo and Pat Sullivan are making plans for the second week of their vacation. They are making a return trip to Canada. Nelson Phelps and family enjoyed short trips from their home one of the hottest weeks of the summer. August seems to be the best month for vacations.

It is time for "glads" again and Jim Lewis has kept the vases full of fresh ones. They are beautiful in spite of the dry weather we've been having this summer. Your reporter attended the convention of the Volunteer Fire Fighters Association. This year it took place at Rutland, Vermont on the 4th and 5th of August. A wonderful time was had by all and there was a parade that took about 3 hours.

The weather was perfect. This year, for the first time in the history of the Association, the Ladies Auxiliary was invited to take part in the Memorial Service which was held at the beginning of the Annual Meeting. Then they adjourned to their quarters to attend the meeting which included the appointment of officers. Your Reporter was appointed for the third time to the office of 1st Vice President.

The people of Stamford would like to take this opportunity to invite you to the Annual Bazaar held each year from the last Thursday to Saturday of August.

#### Dry Rolling

by Dorothy Melillo

Vacations are just about over, but we will give you a resume of what our people did while enjoying the summer. Yours Truly spent her vacation at Lake George and at the beaches in Stamford, Connecticut. Mary Richardello journeyed to New York City to visit her son, Ronnie, and Clara Shakar and family browsed around Narragansett Beach. Ruth Szule spent a good vacation at Hyannisport, and even attended the same Mass as did our President Kennedy and the First Lady. Who could ask for more?

Nancy Cancro toured Canada in a trailer, but still likes these United States the best of all. Marion Caron, after spending the last few vacations baby sitting for her daughters, enjoyed a good relaxing trip to the White Mountains of New Hampshire. Helen Wisniewski also tanned on the beaches of Connecticut, and Dot Brothers went to Westminster, Massachusetts to visit relatives there. Helen and Walt O'Neill went to Cleveland, Ohio where a good old-fashioned reunion of war buddies was held. It was a long trip, but they loved every minute of it.

Helen Colo used a Cheshire cat address when she vacationed with her sister. Anna Toniatti relaxed at her mother's home in Bennington, Vermont. Ruth Duquette just loved Lake George. Eddie Suthers and family enjoyed a good time at Cape Cod. Henry Brooks always goes to Washington, D. C. for his vacation. Jennie Petrovich went to the beach, and Alma Devio just wandered here, there and everywhere. Hazel Lavigne spent a cold week at the Cape and is now warmed to take flannels the next time around. Gladys Clerc did some resting at home.

We wish to welcome the new girls in our department and hope that Judie Harvey, Priscilla Greenlaw, Peggy Perreault and Jean Wilk enjoy working with us. We sure will miss the girls who have left us, but we wish them all good luck in the future and hope we'll meet again soon. Congratulations to Adam Novak on the arrival of his fourth grandchild! It was a boy and arrived at the home of his daughter, Connie Novak Starsiak, who lives in Norwalk, Connecticut. Most of the racing fans are talking about nothing but Saratoga these days. Hope you all have fun.

Our deepest sympathy to Henry Brooks and Joe DeGrenier who both

were recently bereaved by the death of a brother. That's about all for now friends, but we'll be back soon for another little peek into our doings. Until then keep this little thought in mind: "Opportunities are never lost. The other fellow takes those you miss!"

#### Ceramics

by Marguerite Daub

Ed Mulvaney is back after a nice vacation spent in New York and Canada. Julia Martin is also back. She spent her vacation at Lake George. Art Beauchamp came back all rested and fresh after spending his vacation at Hampton Beach. Mae Riordan and Lena Grillone are enjoying their vacations at the present time. Mae is in Connecticut and New York and Lee is in Connecticut. Ruth Edmonds, Wanda Scarpitto, Mary Odell, Margie Hauptfleisch, our Supervisor Arthur Morris, and our Foreman Lou Ziter have all enjoyed their vacations. Art Morris spent his time at the Cape. Several of our girls had a lovely afternoon with Ruth and enjoyed a nice lunch. She makes swell chocolate cake. Sunny Cozzaglio is going to the Cape, Hyannisport and Provincetown with her niece, Joan Girardi. Marge Hauptfleisch gave us a new version of the Twist the other day. Of course she had to tip a beaker of Triad into her lap to do it.

#### FP Assembly

by Grace McConnell

August is certainly the most popular month for vacations. Among the ones who just stayed home, relaxed and enjoyed doing things they are too tired to do when they are working were: Arthur Heyes, Sophie Bryda, Mary Scia and Harold Lowe. Lorraine Demo acquired a beautiful tan at Atlantic City. Roy Cook and family enjoy their house trailer very much. They toured Vermont and crossed into Canada, returning by way of Maine and New Hampshire. Hazel Russell went to Manchester, New Hampshire to visit her daughter. Florence Lecuyer went to Long Island to visit her sister and family.

Alice Daniels went to Burlington, Vermont. Mary Koczela went to Springfield to visit her mother.



These happy youngsters are Sandra and Brian Collins, children of Jo of Western Electric and Clayton of Engineering.



Lana Stanford of Western Electric would like us to meet her foursome. Left to right they are: Edwin, Beth, Kathleen and Constance.



Paula Marie, 3, and Paul Patrick Dugal, Jr., 4 mo., are the children of Rita Poirot Dugal formerly of Pulse Transformers. Their grandfather is Wilfred Dugal formerly of Marshall St.



Little Wendy Cudak, niece of Ruth Szulc of Western Electric and Walter Martin of Plating poses in her First Communion dress.

Phil Smachetti went to Niantic Beach in Connecticut. Irene Pratt had an interesting vacation—she went to Prince Edward Island, Province of Quebec. She said they have some wonderful beaches there. Bernice Gentile is an ardent sports fan. She spent her vacation at the ball games in New York and the races at Saratoga. Jack and Millie Faustini took a lovely trip to Virginia. Rita Cooper went to the shrines in Canada and returned by way of Maine and New Hampshire. On the way back they spent a week at Hampton Beach.

Lee Charbonneau decided to try a new beach this year and had a nice time at Wildwood, New Jersey. We miss Toni Menard who is on leave of absence and our Foreman, Charles Sutfill, who took sick at work. He was at the North Adams Hospital for a check up and we hope he will be back before the LOG is published.

#### Sprague International Ltd.

by Barbara Neulle

Well, it has been mentioned to me that August is a lazy time of year. As you can tell from our short column, this proves to be true. Our International group is either relaxing from their vacations or just not revealing any interesting experiences 'cause I just couldn't seem to pry any news from them. Well, what little news I did gather is as follows: Bertha Richards' son, Mahlon, and his bride-to-be, Simone Rougeau, were guests of honor at a stag and shower held for them on Saturday, July 21. We understand a very nice time was had by all. The happy couple were married on August 11. We wish them the best of luck in the future and all the happiness in the world. Bertha's son, Joe, was home on a month's leave from the Air Force. He is presently stationed at Hamilton Air Force Base in California.

A birthday party was held at Howard Johnson's Restaurant with Janice Brule as guest of honor. Jan was presented a corsage and a gift from her friends. Many happy returns, Jan! Bob Ballinger has discovered a new trend in coffee. A few coins, accidentally slipped into his coffee, added quite a new taste. May

we mention that this was quite a surprise to Bob as he didn't notice anything strange until he had finished his coffee. We tried to calm his nerves by explaining to him that if it happens frequently he'll eventually become a rich man.

Carole Favreau and her husband, Norm, spent a very enjoyable vacation at Lake George. Swimming and water skiing were the highlights of this vacation. May we also wish Carole luck in her new job. She is now secretary to Mr. Becerra. We'll miss you in our office, Carole. Marilyn LoPresto has accepted a position at the 1896 House. A party was held at the 1896 House for her which everyone in the office attended and had a wonderful time. Marilyn was presented a corsage and gifts. We wish her good luck and success in her new job. We'll miss you too, Marilyn.

Let's change the trend and make a welcome to our office. Dot Russett has recently joined us and is working for Nereo Agostinelli. A hearty welcome to you, Dot. Yours Truly deleted the chilly weather and still had a very enjoyable time on vacation at Lake St. Catherine in Vermont. Chris Ameen also had a nice time on her second week's vacation. She ventured off to Boston and Connecticut. Mary Roberts and her family had a tremendous time on their two weeks' vacation at Hampton Beach. She now has a lovely tan. Guess that's it. Adios!

#### Sales

by Dona Marie Grillone

As there is no news this month, and love fills the air, I've decided to be a little different and sketch a small scene of young love in Paris:

Bonjour madamesseilles and monsieurs! Welcome to gay Paris. These we are all so happy, because we have found a couple truly in love that we have been following. Amour, amour, ah, such a gorgeez word! Crazeez ou! But beautiful.

As we walk down the Rue de la Paix we see two beautiful young people gazing tenderly into each other's eyes, as though they were the only two people left in this whole world. Are they sick? We wonder! Out, sick with love. Ah! Such motionless beauty. They are talking sweetly to each other and slowly turn to walk down zee street. They pass gayly decorated shops with fresh warm French pastries. But do they smell this tantalizing aroma? Ah, maybe so, but no affect. They pass by pet shops and fabulous clothing houses, but they just walk by staring into each other's eyes. Oh, yes, one or two stores they do stop to peek—beautiful wedding gowns and diamonds. Ah, love!

A sidewalk artiste stops them, knowing they are young and in love, and shows them a few portraits he has done. Yes, they will allow him to paint their portraits. Silently they sit like freshly sculptured statues and finally zee artiste cees done. Magnificent! They pay their francs and

take their moments of splendor along on canvas with them.

Walking over a small bridge, they again stop to watch zee fishermen below. Little fishes jumping and shimmering in zee warm sunshine. Peels of laughter come toward them and a group of children dance by them. Oh, what beauty love does have. Everything and everyone is so radiant!

Le garcon glances in another direction, meeting the ebony eyes of a fair young maid. Her flirtacious smile makes la fille tighten her grip on her lover's hand. Her heart beats harder and mist fills her eyes, but only for a second as he turns her to him. Cupping her face in his hands, he lightly pecks her on the forehead. Ah, sweet love! Hand in hand, arms swinging, feet dancing, they leave. Where? We know not, but we do not delve too deeply into lover's private worlds. Happily they stroll toward the sun into oblivion. Goody-bye young lovers. Au revoir!

#### FP Cover Assembly

by Edith Fields

We all extend our deepest sympathy to Freddie King in the loss of his brother, John, who passed away on July 7th. We want to welcome Gisella Blake who has come with us to replace Sophia Armata. Sophia only stayed long enough for us to get acquainted and we liked her very much. We hope you will stay longer, Gisella. We will let you in on a secret—George Beverly has given up sweets and now likes spaghetti and meat balls better. Better watch that waistline, George. We will be buying you a new belt.

For once Evelyn Lyons made vacation plans that didn't fall through. She took her family to Cape Cod and in spite of bad weather had a wonderful time. She says it is indeed an ideal vacation spot. Mary Roberts spent a few days at Ocean Beach Park in New London, Connecticut, and says that's a perfect spot also. Emma Massacconi stayed home this year and says it was not vacation—so we can guess what she will be doing next year. Claire Rivard stayed home, but enjoyed herself entertaining her sister and friend, Sister Agnes Claudia and Sister Tressa Elizabeth from Lady of Sacred Heart Convent, Springfield.

Flora Duquette went to Canada and visited St. Anne's Shrine. She will go to Old Orchard, Maine next. Two vacations are wonderful. One is never enough after a long year of working.

#### Tantalum Finish

by Dolores Anello

Well, here I am again. I hope everyone will forgive me for not writing the news lately, but I have been quite preoccupied with other details such as changing my name. You don't know how hectic a simple thing like changing your name can be. But with all the rushing and the looking from store to store, and city to city, it's still worth it as I am very happy as Mrs. Thomas Anello. I was so surprised when the Tantalum Finish department gave me a shower at Taconic Park Restaurant. Mrs. Robert Columbus and Mrs. Frank Trimarchi were in charge. I received a pretty corsage, a nice juicy steak, a 4-slice toaster and a relish set. The centerpiece, made by James Lewis, included figures of a bride and groom surrounded by flowers. A poem, written by Mrs. Alice Kawa. Dancing was enjoyed during the evening. I'd like to take this opportunity to thank everyone for this wonderful surprise. I'm deeply grateful.

Well, vacation time is almost over. Here are a few who had their freedom for a time: Alda O'Neill went to Windsor and Boston. Dot Columbus went to Block Island and Connecticut. Alice Kawa went to Allen A. Resort, Wolfboro, New Hamp-

shire. Betty Johnson went to Canada and spent some time at home. Gladys Costello went to Cape Cod. Olive Crandall went camping at Schroon Lake, New York. Mary Beaudreau went to Hampton Beach and Olive's camp at Schroon Lake. Toni Girard went to St. Petersburg, Florida. Theresa Garafano spent some time at Windsor and at home. Barbara King went to Old Orchard Beach, Maine. Blanche Paciorette went to Canada and spent the rest of the time at home. Evelyn Prystas went to Atlantic City. Nelson Montgomery went to Old Orchard Beach, Maine. Margaret Charron went to Hartford, Connecticut and Boston. Adeline Roy went to Wells Beach, Maine. Kay Godek went to Burlington, Vermont. Lillian Trimarchi and Hannah Sarkis went to Wildwood, New Jersey. Mary Lou Parsons went to New York City and Martha's Vineyard. Mary Sullivan went to Bryant Street Beach. Bill King stayed at home. Yours Truly went to Cape Cod. We hope you all had a great time!

Belated happy birthday greetings to Doris Gaudette, Gladys Costello and Hannah Sarkis whose birthdays were in August. Greetings also to Marge Callahan and Blanche Paciorette who celebrate in September. Congratulations to Lillian and Frank Trimarchi; Emile and Evelyn Prystas; and to Richard and Barbara Davine all of whom celebrated their anniversaries in August. Five of our co-workers know what to do with their spare time—they went off on a picnic at State Park in a little Morris Minor—a foreign job which was almost bulging at the seams. Can you imagine two coolers, a grill, blankets, badminton rackets, chairs, beach bags, food, and last but not least, Betty Johnson, Gladys Costello, Betty Jangrow, Barbara King and Alice Kawa. They were careful not to go over the bumps too hard as they were afraid poor "Morris" might burst. They ate to their hearts content because the food was so good—after which they praised their master chef, Alice Kawa. They swam and played baseball and badminton to get back in shape after the sumptuous barbeque. A good time was had by all!

We were real sorry to have Lynn Morris, Carol Bernat, Mildred Walden, Florence Greenlaw, Carolyn Bourwell, Ellen Lipka and Dot Mills leave our department. We would also like to wish good luck to Robert Heiser on his schooling at Ottawa University in Kansas City. Bob received a parting gift from our gang. We're all hoping he'll be a great success.

Alice Kawa was a beautiful bridesmaid for her niece, Jeanne Zdon. We heard the wedding was just beautiful. Well, guess that is all for now. I'll finish the vacation list next month.

#### Sprague Products

by Carolyn Mullen

A party was given for Josephine



"See what a big girl I am", says little Linda Lepage, niece of Jean Wheeler of Small Orders, Marshall Street.

Clairmont on July 2 at Fireside. She took the big step on August 18. Rita and Louie Morocco are riding in style in their new Ford convertible. Don't forget, Louie, get the carbon out. Millie Butler spent two weeks at Cheshire Lake. Tell me, Millie, did you have a lot of company this year or was your vacation as peaceful and quiet as last years? Carol Floriani has been chosen the "Queen of the Twisters" in Sprock. Dot Blake spent a few days of her vacation up in Maine. The weather was wonderful so I'm sure you were quite happy to get back to work.

Marilyn Lasher spent her vacation at Cape Cod. Bill Cone went to Atlantic City. How's the boardwalk, Bill? Mary Krzeminski spent her two week vacation traveling to a new place each day. That's the best way, Mary. By the way, I hope you found Lake George! Nancy Rys spent a few days at Hampton Beach. Kinda dry up there isn't it, Nancy. Dick Lull spent a week's vacation camping. How were the mosquitoes? Nancy Lewitt is back to work on days for awhile. Were you on vacation too, Nancy?

Evelyn Collins had the most enjoyable vacation of all—she spent two weeks cleaning house. Boy, Evelyn, that's what I call a rest! Flo Szymanski and her family spent a few days at Hampton Beach. It looks like you went to Florida, Flo, with that beautiful tan. Betty Beauchamp spent a week at Lake Willoughby, Vermont. Sure is a change, huh Betty! I may have left out a few people who went on vacation, but I know they had a good time.

#### Tantalum

by Amelia Koza & Gladys Moderski

Mr. and Mrs. Stanley Ziata spent their vacation in New Hampshire. Olive Pelletier went to New York for her vacation and attended some good plays but was greatly disappointed. She failed to have dinner at the famous Mama Leone's Restaurant. Cheer up, Olive, there's always a next time. Ceil Magnifico and her family traveled to New York City and Brooklyn and also visited our local lakes. Frances Laghi enjoyed her



Thomas O'Neil is the son of Patricia O'Neil of Tantalum and brother of Barbara and Eileen O'Neil of Beaver St.



Leading a happy, contented life is little Lawrence Michalenko, son of Ceil of Small Orders, Union St.

vacation playing host to some of her relatives at her camp "Tiddle Hills". Gladys Roy spent her time at home and at their camp at Windsor Pond. ...Kay Mendel took short trips and rested at home....We are all happy to see the smiling face of Lillian Auburn who is back after her recent illness....Yvonne Carlisle has been a very busy mother with her son and niece getting married. She made some wonderful and beautiful decorations. A very clever and talented person!

Welcome to Loretta James our new Check Inspector. She traveled to Buzzard's Bay and indulged in some deep sea fishing in which she excelled. Loretta caught a fish which weighed 11 lb. 6 oz. and a 3 lb. lobster. The fish was the largest caught in two years and she received a prize for it. ...Pat O'Neil is realizing that the years are creeping up when she sees her son going into the army—also when you come to work with one blue earring and one yellow—just after you get brand new glasses—and last but not least to see the color of your hair changing, but you have one consolation—you are getting naturally curly hair. It looks pretty, pretty good!!

### A Tribute

(to Miss Etta Owen)

The time has come when we must say  
A fond adieu to you  
And we would ask God's Blessing,  
On all you say and do.  
Throughout the years you've labored  
here  
And gained so many friends  
Don't think that when you retire  
That this gained Friendship ends.  
We have so many memories  
Of times with you we've talked  
And all the years you've been with us  
And never once have balked.  
We've heard so many good things  
About you, that it's true  
They overcome the bad things  
That folks sometimes think we do.  
I'm sure you've lots of memories  
Of folks you've chanced to meet  
The common ones, the dumb ones,  
And others - you thought sweet;  
I'm sure you've many memories  
Gained throughout the years  
Of working with associates  
Some good - some who bore to tears;  
But always - we'll remember -  
How with us you'd talk and smile  
And personally - I enjoyed each chat  
When we would talk awhile.  
So as you leave the Company  
And will work here no more  
May other things in daily life  
Help to build up the store  
Of knowledge - and of friendly worth  
In helping "Others" here on Earth.  
So just this word in parting  
And with this I would end  
We each would say "God Bless You  
And keep you well, our Friend",  
For always we'd remember  
In some small subtle way  
Our meeting Etta Owen,  
And in passing time of day,  
We've grown to be fond of you  
And always will impart  
The God above to Guide you  
As a token from our heart;  
And so we say "God Bless You"  
May He give you Peaceful Content  
And may you look back on these years  
As years that were well spent.

Doris M. Richards

### Departments 743 & 741

by Joan Myers

Vacations are the greatest subject of interest nowadays. The question, "Where did you go on your vacation?" is real frequent. Yours Truly being no exception....Doris Babson and her husband went to Syracuse, New York to visit relatives. They did a lot of visiting but not too much resting, Doris relates....Eunice Kelson and her family drove to Hampton Beach for a few days. While there they went Deep Sea Fishing and also took the kiddies to Storytown....Lucy Thibodeau and family rented a camp at Lake Lauderdale - real restful time but they returned to days of yore in one department—carrying drinking water. But Lucy, with a whole lake at your front doorstep why carry it so far? As if that wasn't bad enough, their first night there the bed collapsed.

Marion Pierce and her husband went to Canada and Niagara Falls. A return trip, Marion?...Lucy Van-Orman, husband, and son went camping in a tent for a few days and had a wonderful time just resting....Doris Bourgeois spent her week off at Lake Champlain in Burlington....Jack and Pat Ogilvie took Jack's mother and father to Hampton Beach for a few days....Bill Rowland spent his week at the family's new camp at Cheshire Lake. Most of his time was spent either piloting his boat or water skiing behind it.

"Bert" Potter and the writer stayed home and helped (?) our husbands who are building do-it-yourself homes. I can't pound too many straight nails but I do wield a mean paint brush!...Carol Smith, Joan George, Sandy Badger, "Bert" Potter, and Bob Utman are now back in good old 743 where most of them originally started. Glad to have you back, kids!...Walter Babcock and Jim Mallory will be leaving soon for a two week "vacation" with Uncle Sam—National Guard Camp.

### Benn. General & Wire Coating

by Lorraine Elmore

I made a big boo-boo last month—no news from Departments 440 and 748....First a big welcome to our new Plant Manager, Mr. Norton Cushman. We wish him every success, but not unselfishly, for his success will also mean much to all of us working here....I had hoped to have some pictures for this edition, but no luck. Everyone I asked seems to forget. Come on fellow employees, you all must have at least one photograph you are proud of. I am sure I will be able to have at least one picture for the next four months—after that I'm not sure. You see I have just four daughters. I'll start with the oldest, Vona, and work down. She had quite an upsetting thing happen recently. She had our Chevy II (our pride and joy) parked in front of a friend's house when suddenly a loud crash was heard. They went out to investigate and found the rear of our car smashed. I just thank goodness she wasn't in the car. By the way, the fellow was insured.

Say, Hugh, you must be having



Norma Raetz and her husband posed with their four sons. They are: Edward, 12, Joel, 10, and twins Timothy and Terrance, 8.



A new arrival to the Watts household is little John Glenn. His mother, Katy works in Magnetics.

breakfast now. I haven't heard you complaining of being starved in the morning since you got married....Ray, I hear you are still mad at the Post Office. Is that so? I think it's time you kissed and made up....Ormal Pierce is on vacation, but staying close to home because his wife, Frances, who works for Pete LePage, isn't due for a vacation yet. Frances has a dual job now. With Lil Alexander gone (we sure miss her up here), Fran serves as secretary on the third floor mornings, and then trots downstairs to work for Pete in the afternoon.

Pete traded cars and now has a green Nash Rambler....Carl Allen, the lucky dog, has a camp on Lake Champlain and spent his vacation there....Francis Clark vacationed in Canada. Par le vois....Frank Sumner spent part of his vacation fishing in Lake Champlain. I haven't heard about the big ones you caught yet, Frank—or are those the ones that got away?...Irving Daigneault spent a few days at Hampton Beach and then toured our plant at Plymouth, New Hampshire....We were sorry to hear that Charlie Whitman spent his vacation in bed. He took sick on his vacation and had no choice. Better luck next year.

John Young devoted his vacation to his children and took them to the Catskill Game Farm, Frontier Town and Benson Animal Farm....Ray Dickinson has been busy preparing for an auction, so that is how he spent his vacation....Pete LePage toured New Hampshire, stopping at the



Mary Sleeman would like us to meet her nieces and nephew. They are: James, Jane, and Carol Samia, children of Ace Samia.



Little Shane Bishop was all ready for bed when his mother, Peggy, posed for this picture with him.



Audrey Foucher of the Instrument Department is very proud of her daughter, Sister Mary Dolora.

Concord Plant to visit with old friends, and also stopping at Lake Winnepesaukee....We wish to welcome Robert Welch, our new Methods Engineer. We have only one comment to make about Bob—It's nice to be natural, when you are naturally nice!

The Industrial Relations Department is quite busy now with its new arrangement of furnishing doughnuts to the whole plant. There is also a new title connected with one of the Department's employees—The Doughnut Man...."Who ate MT doughnut?" and "where's all the change" are comments frequently heard now, but you'll have to agree they're larger and fresher than ever, folks.

### Instrument Department

by Mary Sleeman

Hello! Same reporter, but reporting from another department. I am replacing Lillian Alexander who has been transferred back to North Adams. I hope I can do as well as Lil....Welcome to Norma Raetz who has joined our lovely department. Norma comes to us from Radio Flash....A party was held for Lillian Alexander at the Vermont Steak House by her co-workers. She was presented with a lovely sweater and cash from the gang. Her dogs had a ball for themselves that night with the goodies Lil bought home from the party.

Donald Raina and family went on their annual camping trip for their vacation....Peg Bishop and her

family went to Maine....Doris Pinsonneault spent her vacation at home resting and taking daily trips with her two lovely children....Maurice LaFond rented a cottage up in Maine and lived it up with his boat and water skis....Happy anniversary to Donald and Claire Raina who are celebrating their 11th wedding anniversary....Peter Quinn is walking on Cloud 9 until he and Mary Clark tie the knot on September 22nd. Good luck to both of you. Peter, when you get back from your honeymoon please tell Gary Sweet there is nothing like being a married man. Maybe then he will take the hint and settle down with his nurse and his little Sunbeam.

Bill Novacek and Maurice LaFond went deep sea fishing one week-end at Long Island. Did you catch anything besides a sunburn, boys?...Audrey Foucher didn't realize she had so many children until one night when she, Barbara LeBlanc and Lois Leonard went out and she was introduced as their mother!...Anyone for Abie's Specials?

Bud Mattison and his Missus (Rhoda) have moved into their new home. Good luck, kids....Kenny Welch was one of the fortunate ones who was able to go to Camp Drum for two weeks with all expenses paid by Uncle Sam. You were missed, Dr. Casey....A welcome to Fran Pierce who is filling in mornings for Lillian Alexander. Your pleasant smile is always nice to see....Have a nice Labor Day week-end—and drive slowly!

### New Arrivals

#### JUNE

10, Mr. & Mrs. Peter Cardillo, daughter

#### JULY

1, Mr. & Mrs. Curtiss Gilbert, son  
6, Mr. & Mrs. James Misiuk, daughter  
7, Mr. & Mrs. Robert Connell, daughter  
9, Mr. & Mrs. Gerald Sullivan, son

10, Mr. & Mrs. Harold Babcock, daughter  
15, Mr. & Mrs. Donald Bunting, son  
16, Mr. & Mrs. Kenneth Jonas, daughter  
16, Mr. & Mrs. Carleton Edmonds, son  
16, Mr. & Mrs. Jacob Martin, daughter  
18, Mr. & Mrs. Robert Wagner, daughter  
20, Mr. & Mrs. Millard Jones, daughter

20, Mr. & Mrs. Joseph Watts, son  
20, Mr. & Mrs. Michael Hutchinson, son  
21, Mr. & Mrs. Robert Mancini, daughter  
23, Mr. & Mrs. John Schimmel, son  
24, Mr. & Mrs. Rene LeSage, daughter  
26, Mr. & Mrs. Arthur Carroll, son  
26, Mr. & Mrs. Francis Michalski, son  
29, Mr. & Mrs. Charles Volf, son

#### AUGUST

3, Mr. & Mrs. Russell Wimpenny, son  
3, Mr. & Mrs. Thomas Mason, daughter  
3, Mr. & Mrs. Donald Begnoche, son  
3, Mr. & Mrs. David Haley, son  
4, Mr. & Mrs. Bernard Lord, daughter  
10, Mr. & Mrs. Frank Dudek, son  
10, Mr. & Mrs. Royce Lee, son

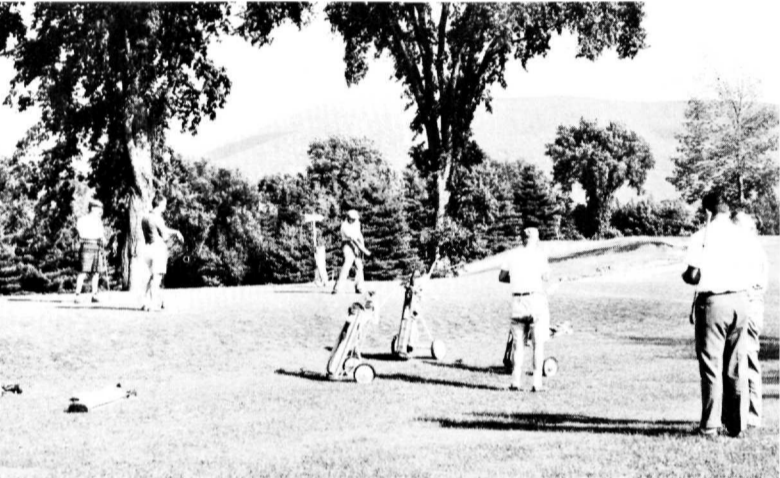
Sports —

FISHING

GOLF



There was a lot of action around first base during a recent game between Management and Union Street. Tom Morin, left fielder for Management, was safe on first base in this play. Ronnie Dean is the first baseman for Union Street, Frank Santelli is the first base umpire calling the play and John Ballentine is the first base coach for Management.



The Sprague Golf League has had few really good evenings, but to prove it doesn't always rain, we have this picture of a bright sunny evening at Taconic Golf Course. Here a group of Sprague golfers are teeing off during league competition.

Straight Down the Fairway

by Bob McDonough

Moving along fast into the second half Golf League schedule, with the completion of ten weeks of match play, the insurmountable Oakmont aggregation continues as the leader. With their effortless ability of winning points, this team will be very hard to dethrone and should end up with an all time high for most points scored in one season. With Dick Vanasse, the tiger of the league, as top match winner followed by the number two man in this category, Bob McPherson, the Oakmont team can count on these two boys as sure victors, and if they should falter, and it seems highly unlikely, the slack would be taken up by young Dick Reed who is tied for third in the scoring race.

Some of the highlights in recent matches were provided by Terry White, with two straight medalist winning weeks with his fine card of 35. Paul Caudell, playing as number two man on the Indian Creek team behind Terry, matched Terry's first week's score and fell just one stroke back on the second week. This is the hottest one, two punch the League has seen in a long time.

A few other golfers who provided exciting golf scores in their recent matches were: Ray Lamoureux, Cal Walker, Dick Patterson, Ralph Fressola, Pete Begiebing, and Roy Douglas who came out of retirement.

TEAM STANDINGS (after 10 weeks of matches)		
TEAM	WON	LOST
Oakmont	81	59
Greenbrier	72½	67½
Indian Creek	72	68
Wingfoot	71	69
Pinehurst	70½	69½
Equinox	70	70
Rockledge	67	73
Taconic	64½	75½
Pine Valley	61	79

Sport's Quiz Answers

8. Chicago White Sox (1920)
7. C.
6. False
5. Oscar Robertson
4. \$7,500
3. George Bayer
2. a. - 2, b. - 3, c. - 1
1. Boxing

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By

SOFTBALL

LOU ZITER

3rd Quarter Upset  
Triumph for Union St.

Behind the pitching of Jim Heelan and hitting of Dick Daniels, Jack Grady and Harold Bilger, Ray Wellspeak's team went undefeated to take the third quarter. They defeated QAR 13 to 5 and Combine 3 to 2 to cinch a berth on the playoffs.

TEAM	WON	LOST
Union St.	5	0
QAR**	3	2
Combine*	3	2
Management	2	3
Ind. Oils	1	4
Subminiature	0	5

\*First Quarter Winner  
\*\*Second Quarter Winner

Ten Top Hitters (Based on 30 at bats)						
Player	AB	R	H	RBI'S	Ave.	
Emerald	43	21	24	27	.558	
Daniels	35	19	20	16	.543	
Kelly	35	14	17	6	.486	
Mancini	48	22	23	11	.480	
Thibert	55	20	25	12	.454	
Grady	49	13	22	15	.435	
Brazeau	40	9	17	10	.425	
Gamari	52	14	22	22	.423	
Beechard	57	12	23	4	.404	
Beckwith	38	10	15	6	.395	

League Leaders  
Hits - Thibert 25; Runs - Mancini 22;  
2B - Thibert 8; 3B - Gamari 3; HR -  
Emerald 7; RBI'S - Emerald 27;  
Strikeouts - Heelan 22; Pitching -  
Brown 8-1.

Team Batting			
	AB	H	Ave.
Union St.	468	178	.381
QAR	473	177	.375
Combine	535	197	.368
Management	478	158	.331
Ind. Oils	376	107	.285
Subminiature	385	99	.258

Pitching (based on 5 decisions)			
Pitcher	Won	Lost	Strikeouts
Brown	8	1	14
Heelan	11	4	22
O'Neil	6	4	14

Jack Sullivan's Catch  
Is Fisherman's Dream

Jack Sullivan of Centrifuge Department, Marshall Street experienced a real fisherman's thrill on Sunday afternoon, July 15th. He caught 'the big one' — a brown trout which weighed a record 7 lbs. 14 oz. and measured 24" in length. Jack caught his prize at Sherman Dam and it is one of the largest fish taken there so far this year. Jack had been fishing the area quite extensively and it was only after weeks of determined effort that he made his catch.

Jack said he was just about ready to give up for the day when 'the big one' hit, in fact he was reeling in his line, with a night crawler for bait. The Brownie put up a terrific fight and he was over twenty minutes in landing his catch.

Jack said he had had his eye on several large trout during the summer, but failed to get even a nibble until then.



September Birthdays

- 1, Mary Mondia

1, Barbara O'Neil

1, John Murach

1, Claire Gliwski

3, Dot Mellilo

3, John Flaherty

4, Pearl Chilson

4, Margaret Sebastino

4, Betsy McLain

5, Ada Harrington

6, Joseph Pilling

6, Ada Talarico

7, Gladys Clerc

9, Nellie Krol
- 9, Bill Barnard

9, Alice Monette

10, Yvette DuBois

10, Josephine Laliberte

11, Ceil Michalenko

11, Clyde MacDonald

11, Marilyn Clark

12, John Gallese

12, Walter Tatro

12, Anna Ozlizio

13, Courtney Flanders

16, Judy Alibozek

17, Nancy Frederick

17, Gene Lemieux
- 18, Janet Wilk

19, Lina Shepard

20, Robert Reynes

21, Jack Dark

22, Norma Hays

23, Frank Mroz

25, Anne Dudley

25, Sandy Kleiner

25, Dorothy Koscielniak

25, Mara Ozolins

27, Alice Pisano

28, Loren Estes

28, Emily Spencer

28, Ethel Roy

Sports Quiz . . .

by Lou Ziter  
Test your sports knowledge and grade yourself as follows: 0 - 2 poor; 3 - 5 fair; 6 - 8 good; 9 - 10 very good. Question number 2 is worth 3 points, all others one point each.

1. What sport are the Niel Trophy and the Walker Award annually presented to?
2. Match these women with the sport in which they participate.  
a. Margaret Smith 1. golf  
b. Willye White 2. tennis  
c. Mickey Wright 3. track & field
3. Who is recognized as golf's consistently longest hitter and once drove 420 yards?
4. What is the lowest salary a major league player is paid?
5. Who led the NBA in assists in the 1961-62 season and set a record in the process.
6. Bob Feller has won 300 or more games in his major league career. True or False?
7. Which of these three boxers did not win a title in the Olympics?  
a. Floyd Patterson b. Cassius Clay  
c. Ingenmar Johansson
8. What American League team was the only one to ever produce four 20-game winners in one season?

Recent Retiree

PAULINE BARRETT, clerk in Metal Clad Assembly retired on August 1 with 13½ years of service.

Minuteman Tests

Continued from page 1  
man High Reliability Program four years ago, Ljunggren said a decision was made then to design reliability into Minuteman's electronic systems from the start. Electronic modules, some of the most critical parts of the systems, were subjected to new design concepts which included component derating, temperature controls, elimination of high failure items and standardization of parts.

High Reliability Improvement contracts totaling some \$20 million were let to 13 different suppliers throughout the nation. The contracts called for reliability more than 100 times better than in available components.

Significantly, in the Minuteman flight test program there have been 13 successful flights out of 17 attempts. In each test flight a full, three-stage missile carrying a complete and operating inertial guidance system was used—a feat never before achieved in the history of U. S. missilery.

Ljunggren noted while the High Reliability Improvement Program has added to the initial costs of the components, such costs will be made back several times over by the marked reduction in maintenance costs over the operational life of the equipment.

"Each Minuteman must be turned on and ready for immediate action—if needed," Ljunggren said, emphasizing that the electronic components used in the actual missile as well as in the aerospace ground equipment must be extremely reliable. Operational costs would be prohibitive if such missiles had to be removed and recycled after only a few hours of silo time.

A "fallout" from the Minuteman High Reliability Program has been

ANNIVERSARIES . . .

SEPTEMBER

- 1, Mr. & Mrs. Kenneth Haskins, 6th
- 2, Mr. & Mrs. Edward Wilk, 5th
- 2, Mr. & Mrs. N. Richardello, 22nd
- 3, Mr. & Mrs. Charles Gould, 27th
- 3, Mr. & Mrs. R. Rousseau, 2nd
- 3, Mr. & Mrs. Arthur Brule, 17th
- 6, Mr. & Mrs. Steve Smachetti, 21st
- 6, Mr. & Mrs. Paul Beauchamp, 37th
- 6, Mr. & Mrs. Clarence Walker, 38th
- 6, Mr. & Mrs. Carl Allen, 25th
- 7, Mr. & Mrs. William Roberts, 16th
- 7, Mr. & Mrs. Ernest Delisle, 29th
- 8, Mr. & Mrs. Martin Kulpa, 37th
- 10, Mr. & Mrs. Arthur Bourdon, 16th
- 11, Mr. & Mrs. Joseph Millette, 22nd
- 12, Mr. & Mrs. John Biros, 20th
- 15, Mr. & Mrs. William Kilbride, 30th
- 16, Mr. & Mrs. William Smith, 37th
- 16, Mr. & Mrs. A. Melchiori, 40th
- 17, Mr. & Mrs. E. Germanowski, 13th
- 18, Mr. & Mrs. Alfred Chalifoux, 17th
- 20, Mr. & Mrs. Orrie Giusti, 25th
- 21, Mr. & Mrs. John Davis, 22nd
- 22, Mr. & Mrs. A. Wolkowicz, 32nd
- 22, Mr. & Mrs. John Petrovice, 6th
- 22, Mr. & Mrs. Donald Raina, 11th
- 23, Mr. & Mrs. Stanley Leshnick, 12th
- 23, Mr. & Mrs. Ralph Sherman, 27th
- 23, Mr. & Mrs. George Roy, 42nd
- 24, Mr. & Mrs. Theodore Kulpa, 7th
- 27, Mr. & Mrs. Donald Lapine, 14th
- 27, Mr. & Mrs. Gene Lemieux, 21st
- 28, Mr. & Mrs. Francis Mellilo, 22nd
- 28, Mr. & Mrs. N. Lamoureux, 22nd

the resultant upgrading of many electronic components now being marketed. Due to the improved yields now being experienced by Minuteman components manufacturers, costs are being continually reduced.

"Not only is the reliability demonstrated by these systems a tribute to the Autonetics personnel who designed and manufactured them, but is an outstanding accomplishment for the many suppliers who have provided the high reliability parts for the Minuteman Program," said Ljunggren.

Autonetics is the Air Force associate prime contractor responsible for the Minuteman's inertial guidance, flight control and aerospace ground equipment.

High Reliability component suppliers are: Sprague Electric Company, foil and solid tantalum capacitors; Delco Radio Kokomo, Indiana, germanium transistors; Dale Electronics, Columbus, Nebraska, wirewound resistors; Corning Glass Works, Bradford, Pennsylvania, glass capacitors; Fairchild Semiconductors, Mountainview, California, silicon transistors; John E. Fast Company, Chicago, paper capacitors; General Electric Company, Irmo, South Carolina, foil and solid tantalum capacitors; General Electric Company, Syracuse, New York, silicon transistors; International Resistance Corporation, Philadelphia, Pennsylvania, metal film resistors; Motorola Semiconductors, Phoenix, Arizona, germanium transistors; Pacific Semiconductors, Los Angeles, California, silicon diodes; Transistron Electronic Corporation, Wakefield, Massachusetts, silicon transistors and diodes; and Wheeler Electronic Corporation, Waterbury, Connecticut, transformers.